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[Charged as two words only.]

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No. 1,804 Vol. LXXXV.

AUGUST 22, 1914.

Subscription, 10s. per annum, including Diary.
Free the World over. Single Copies, 6d. each.
Winter and Summer Issues, 1s. each. Post Free.

Extract of Malt

with

Cod Liver Oil

packed in amber-
tinted glass jars
—labelled.

SIZES:

$\frac{1}{2}$ lb., 1 lb.,
2 lb., 4 lb.

Orders can be
received for im-
mediate delivery.



**Allen &
Hanburys,**

Limited,
London.



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**Allen &
Hanburys,**

Limited,
London.

WRIGHT'S COAL TAR SOAP

Window Display Competition

LETTERS FROM PRIZE-WINNERS.

17 Battersea Rise,
Clapham Common, S.W.

July 27, 1914.

I scarcely expected to have a look in on this occasion, as no special effort was made to gain a prize. It just goes to show how simple it is to increase one's already good profit. The show was made up entirely of material supplied by you. I thank you once more for having awarded me a prize.

(Signed) W. H. Goy, M.P.S.

64 Gt. Titchfield Street,
London, W.

July 25, 1914.

I have much pleasure in acknowledging your cheque of £25 as 1st prize in the Coal Tar Soap Window Dressing Competition. I am glad to say that the show enormously increased the sale of the Soap and Shampoo Powders, which I shall try to maintain, as it is always a profitable pleasure to sell them. Please accept my heartiest thanks for your generous prize.

(Signed) H. Lester
(Tozer & Co.)

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and will close on December 31, 1914.**

THE PRIZES OFFERED ARE AS UNDER—

1st Prize	- £25	3rd Prize	- £10
2nd „	- £15	4th „	- £5
and 10 Consolation Prizes of £1 each.			

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MAY & BAKER, Ltd.,

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CUXSON, GERRARD & CO., Ltd., OLDBURY,

wish to inform all their customers that they are compelled, owing to the present Crisis, to withdraw all prices. All orders received will have careful attention, but no guarantee can be given that full quantities, as ordered, can be dispatched. In every instance we shall execute orders at prices compatible with the present situation. Also that owing to the existing regulations with respect to traffic, our responsibility will cease when receipt for delivery of goods is received from the Carriers.

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On account of a shortage of bottles, LYSOL will for a short time be sent out in other than the usual and well-known shaped bottle. Supplies of the latter will, however, again be forthcoming early next month.

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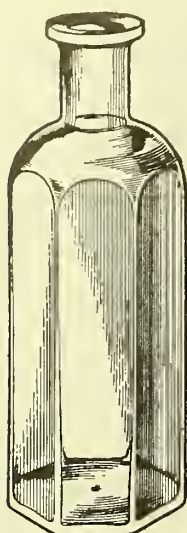


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THE
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 THE BEST FOR
SPECIALITIES AND PREPARATIONS.

The several flat sides have the effect of brilliantly reflecting the contents, thus greatly increasing the natural brightness of the preparation. This is evident when seen in a good light, as in a shop window. A good, attractive bottle, well labelled and finished, frequently sells a preparation.

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W.G. "Ideals"	5/1	5/8	6/6	7/4	8/5	9/11	12/2	14/9	17/6	19/2	24/10	30/6
Amber and Actinic "Ideals"	6/-	6/6	7/4	8/3	9/-	10/9	13/10	15/10	19/2	20/11	27/2	32/9
W.G. "Ideals" Stopped ...	20/11	21/5	22/7	23/1	24/7	27/2	31/7	35/6	38/5	41/9	49/9	54/2
Amber and Actinic "Ideals" Stopped	21/5	22/7	23/5	24/3	25/4	28/10	33/4	37/3	41/3	44/-	53/-	58/9

Compare these quotations with those of other bottles, especially the stoppered ones.

TEST THE "IDEAL" BOTTLE BY PLACING THE SAME LIQUID IN AN "IDEAL" AND AN ORDINARY ROUND BOTTLE OF THE SAME SIZE, AND SEE THE DIFFERENCE IN APPEARANCE

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CHEMISTS SHOULD RECOMMEND IT.
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BRANCH OFFICES: MELBOURNE, SYDNEY, AND ADELAIDE, AUSTRALIA.

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Mumford, G. S., & Sons

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Goodall, Backhouse & Co.
Willows, Francis, B. & T., Ltd.

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Woodward, W., Ltd.

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Kidston, W. M., & Co.

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Harker, C.R., Stagg & Morgan

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Blackie, Robert
Edwards' "Harlene" Co.
Harrison, G. W.
Ludnor, M.
Osborne, Garrett & Co.
Robare's Anreoline
Sangers

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Crewe & Co.

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Milner's Chemical Co.
Senior, Alfred, & Co.

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Whitaker & Co.

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Keene & Ashwell, Ltd.
Leath & Ross

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Schutze, F., & Co., Ltd.
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Wood, Vincent

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Sanitas Co., Ltd.
Tyrer, T., & Co., Ltd.

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May & Baker, Ltd.
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Cook, E., & Co., Ltd.

Insect Powder
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Cupal, Ltd.
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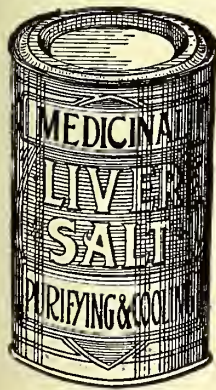
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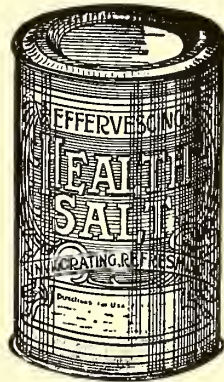
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11/- size	- 98/oz.	-	108/- Per doz.
	Packed 2, 3 and 4 in a case.		

We pay carriage in United Kingdom on assortments netting £8 8s. 0d., provided 1/6 and 2/6 are in doz. and the 11/- in threes or fours. We do not break original cases. Net monthly account. 1% for cash within seven days from date of invoice.

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Every member of the Staff and all the Shareholders are also British subjects.

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Maw's

No. 149

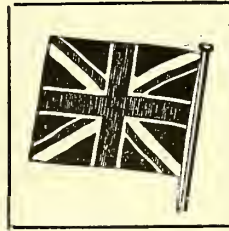
S. MAW, SON & SONS

7 to 12, ALDERSGATE ST.
LONDON, E.C.



Page.

AUGUST 22, 1914



NOTES & NEWS

OUR own little trouble caused by the war is the postponement of the 'Parex' Pageant, due to commence in this issue.

'PAREX' preparations are as popular as ever, but we think that during these historical times "Maw's Page" should reflect the trend of business by offering topical suggestions and popular lines.

HERE is an important reminder anent our 'Parex,' 'Ajusta' & "Invincible" Blades: They are *all* British Made; the best obtainable, and guaranteed to give satisfaction.

SAFETY Razors, of course, will form most acceptable gifts for our soldiers and sailors. Our models, bearing the above names, make charming gifts, and are priced to meet the pockets of those economically inclined.

PERHAPS the best gift of all in this line is our Invincible No. 1 "General French" set. It consists of a roll-up pouch containing an Invincible Safety Razor and blade, a tin of Maw's Soap Powder and Shaving Brush. Price 2/6 each.

THE above also make good holiday lines, very saleable now that vacations are being resumed.

A DEFINITION OF "CRISIS"

".... THE POINT OF TIME WHEN AN AFFAIR IS ARRIVED AT ITS HEIGHT, AND MUST SOON UNDERGO A CHANGE FOR BETTER OR WORSE."

NUTTALL.

The recent events of national gravity have created pardonable anxiety among our Customers and the whole Pharmaceutical World. It is for us to take the fortunes of war with stout hearts and keep the Business Flag flying during these critical times. The whole organisation of the House of Maw successfully meets the crisis. The initial panic among the public has given way to a more normal outlook. Our full staff are at work attending to the daily increasing orders. "Maw's Page" will, as usual, reveal the excellence of our products and the superiority of British Made Goods.

OUR OPTICAL CORNER.

We are in the fortunate position of being able to maintain our usual expert service at original prices. If you have not given our Optical Department a trial now is the opportunity, as we can guarantee prompt delivery.

We hold a big assortment of Field Glasses and Binoculars, all the latest designs and improvements. We anticipate a big demand, and opticians should order early.

The sales of Pocket Compasses are also on the increase. Page 669 of our list gives full details.

NOTICE TO WHOLESALE AND RETAILERS.

Owing to the European Crisis and immediate advance of 50% to 100% on cost of raw material, we are very reluctantly compelled to increase the wholesale price of

Huxley's Syrup of Acid Glycero-Phosphates

WITH AND WITHOUT THE FORMATES, including HUXLEY'S "NER-VIGOR," as follows:

$\frac{1}{2}$ lb. size, or 50 dose size, from 27/- per dozen to 36/- per dozen.
 1 lb. size, or 100 dose size, from 40/- per dozen to 53/4 per dozen.
 Less the usual discount.

Winchester Quarts will be increased from 2/6 to 3/2 per lb. net. All other Huxley's Syrups at proportional rates. Other of Huxley's Preparations are not so far advanced.

ANGLO-AMERICAN PHARMACEUTICAL COMPANY, Limited, CROYDON (London).

Pack under British Methods.

NO INCREASE IN PRICES.

To Wholesale Chemists and Druggists.

The Airtight Capsules Co., Ltd., are prepared to advise on the packing of all classes of Druggists' preparations, & to supply

THE PHOENIX HERMETICAL CLOSURE.

The Ideal Cap for all kinds of Glass Packages such as Malt Extract, &c.



The following firms, amongst others, have adopted the Phoenix system, in conjunction with the Firtree disc with unqualified success.



Trade Mark.

Messrs. THE BRITISH DIA MALT CO.
 Messrs. COODALL, BACKHOUSE & CO.
 Messrs. CALDERS YEAST CO., LTD.
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 Messrs. HARKNESS, BEAUMONT & CO.

This Firtree disc is used in conjunction with Phoenix and Screw Caps for Malt Extracts, &c., and is supplied under registered Trade Mark, and is guaranteed pure for use with Food-Stuffs according to the Act.

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SPECIAL NOTICE

TO

CHEMISTS & DRUG STORES



That notwithstanding the difficulty in procuring supplies of Paper owing to the war, we are in a position to execute promptly all orders entrusted to us as heretofore.

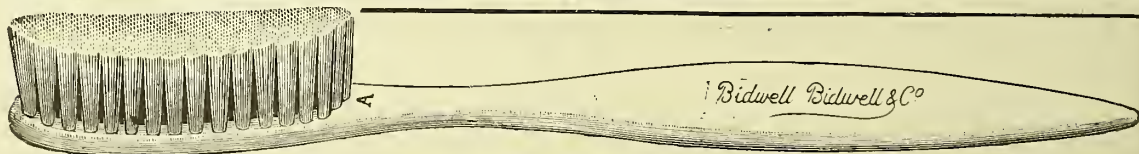
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R. J. REUTER

wishes to convey his warm-hearted thanks to the numerous friends who have written to express their sympathy with him and their contempt for the persons responsible for the spreading of false rumours about his present and former nationality. These letters only accentuate his experience of the British love of justice and fair play, acquired during a quarter - century residence in this country.

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August 19, 1914.

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P. H. WOODNOTH, M.P.S.

Telephone
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Assistant { A. DICKES (London Univ.)
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The Next Two Courses for the January Examination will commence on
SEPTEMBER 8, Fee £10 10s. **OCTOBER 6, Fee £8 8s.**

For Prospectus, Pass Lists &c., 'Phone, Call, or Write THE SECRETARY, 402 CLAPHAM RD., LONDON, S.W.

INDEX and BUYERS' GUIDE

See pages 5 to 7.

Miss E. Rance, Pharmacist,

having proved extremely successful in Coaching Students in Chemistry, Pharmacy, Botany, Materia Medica and Dispensing, continues to give tuition in these subjects at

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Arrangements are made for Students to reside at this address.

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MAJOR.—OCT. 14. Fee to April Examination, 12½ Guineas.

APOTHECARIES' HALL.—AUGUST 12. Fee 5½ Guineas per term.

PHARMACEUTICAL EXAMINATIONS.
APRIL 1914.—30 London College Students passed (Major 3), constituting over one-third of the total Minor pass for England and Wales.

JULY 1914.—36 London College Students passed (Major 5), constituting over one-fourth of the total Major and Minor passes respectively for England and Wales.

The number of Students who have passed the Pharmaceutical Examinations from the London College, since its establishment, exceeds that from any other school.

For Prospectus, &c., apply to The Secretary, LONDON COLLEGE OF CHEMISTRY AND PHARMACY, 361 Clapham Road, London, S.W.

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College of Chemistry & Pharmacy.

Principal: DAVID J. WILLIAMS, Ph.C., F.C.S.,
(Silver Medallist)

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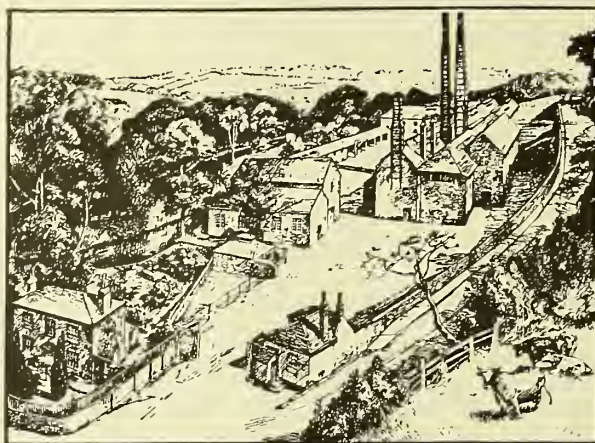
MINOR 100 %—April 1911 & January 1914.

MAJOR 100 %—April & June 1913 & April 1914.

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Important Announcement by the Sanatogen Company

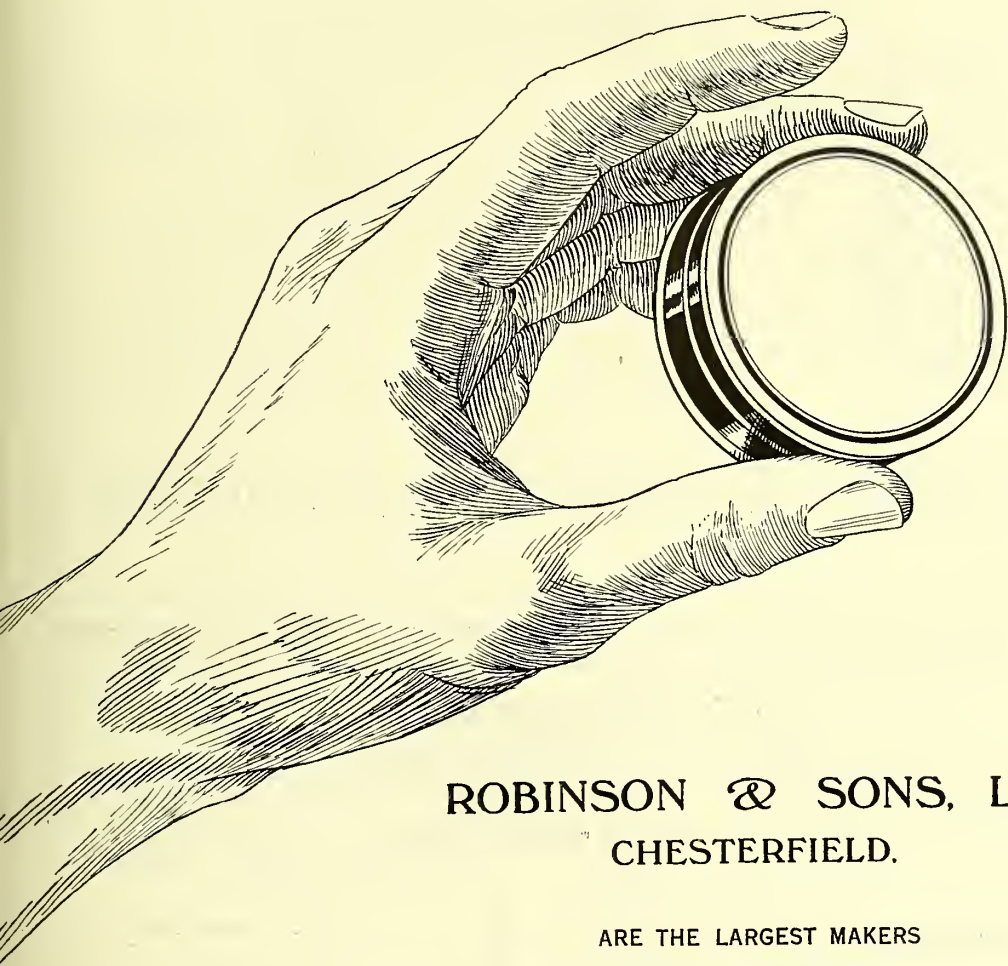
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Diary, 1914, pp. 120, 121.

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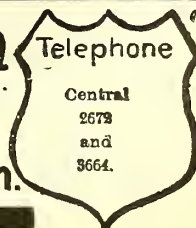
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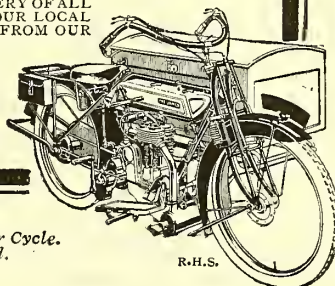
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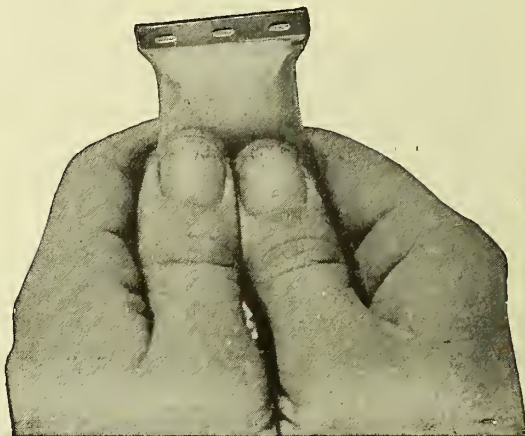
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*The Times, August 9,
1902.*



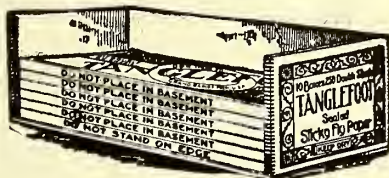
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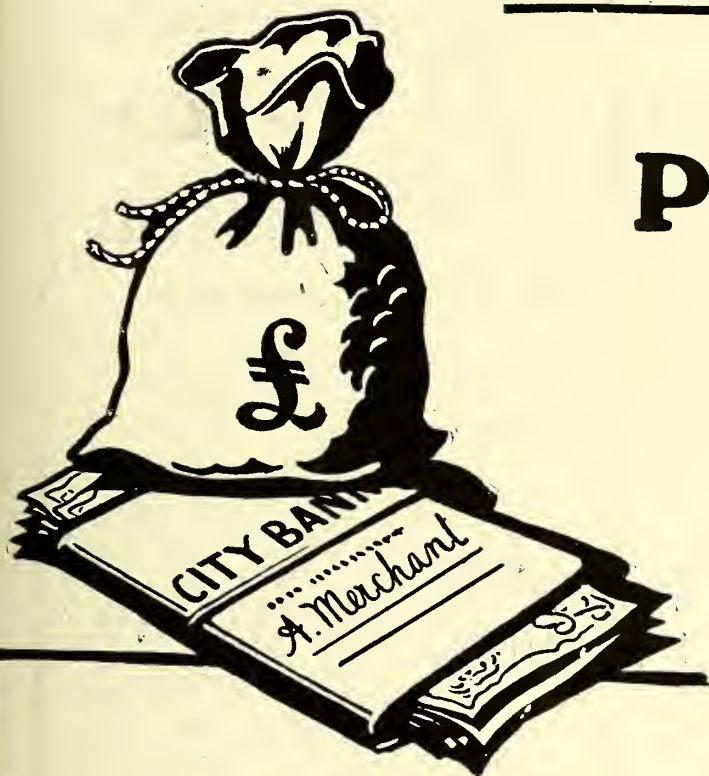
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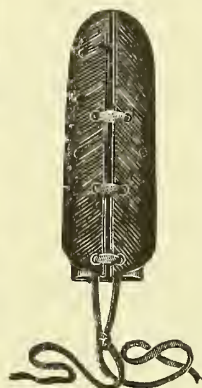
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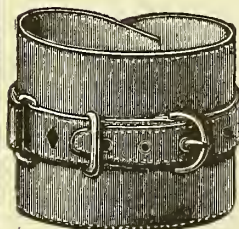
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„ „ oz. 1/4 ..	26/6	per oz.	
„ „ oz. 1 ..	24/6	per oz.	
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Bottles of gr. 60 ..	21/9	each	
„ Emetine Hydrobromide			
Tubes of 1 gramme ..	5/6	each	
Bottles of gr. 60 ..	17/0	each	
„ Emetine Hydrochloride			
Tubes of 1 gramme ..	5/6	each	
Bottles of gr. 60 ..	17/0	each	
„ Hyoscyamine (<i>Pure Alkaloid</i>)			
Tubes of gr. 5 ..	5/0	each	
„ „ 1 gramme ..	12/3	each	
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(dextro-Hyoscyamine)			
Tubes of gr. 5 ..	5/0	each	
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„ Hyoscyamine Sulphate, B.P.			
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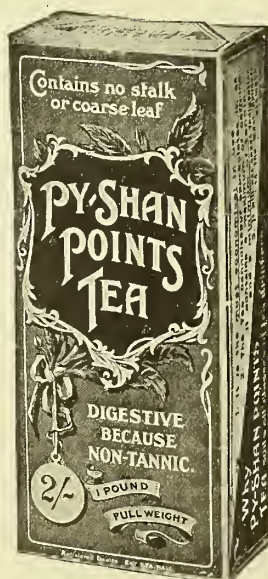
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SUMMARY.

For trade-marks see the Supplement.

Our trade notes are of exceptional interest this week (pp. 43-44).

This season's Bulgarian otto of rose is reported upon in a note on p. 44.

It is fifty years since Frankland's ethyl research began to give results (p. 54).

Our French and Dutch correspondents continue to send us items of news (pp. 40 and 41).

Sir Donald MacAlister, Mr. W. Mair, and other Britishers have returned from Germany (p. 35).

The correspondence pages include several letters in regard to anatomy matters arising from the war conditions (p. 53).

The Local Government Board has published a report on proprietary foods, which contains some items of interest to chemists (*Col. Supp.*).

The text of the Act which will enable the Government to release Austrian and German patents and trade-marks for British use is on p. 34.

The limitations and possibilities of trading with the enemy are shown in an article on p. 47, in which the King's Proclamation is analysed.

The first item of news in this issue is that the Insurance Commissioners have agreed to pay higher prices for certain articles. See the next column, also the official letter on the subject on p. 48.

Although normal conditions do not prevail in the Mincing Lane produce-markets, there has been a gradual return of confidence. Business is, however, of an extremely restricted character, and is mostly for cash; *c.i.f.* trading is, of course, out of the question (p. 50).

Legal reports this week are devoted solely to trade matters, and include an interesting case from the High Court regarding an alien enemy who is a partner in an English firm. The Judge said that the law as to alien enemies goes back 1,100 years (p. 42).

The making of fine chemicals in Britain has become one of the principal topics of the day. We give excerpts from the daily Press on this matter. Sir W. A. Tilden's being one of the letters (p. 34). We deal with the subject editorially (p. 46), and describe how salicylic acid and some of its congeners are made (pp. 37-38).

European War.

A step forward: We are authorised to state that the Insurance Commissioners are considering the question of providing for some additional payment, over and above the payments due under the current Insurance contracts, in respect of certain drugs dispensed by panel chemists, the cost of which to the panel chemists is shown from time to time to the satisfaction of the Government to have considerably advanced by reason of the war.

The following list of drugs has been officially issued, and the President and Secretary of the Pharmaceutical Society ask that all Insurance Act prescriptions dispensed on and after Monday next, August 24, containing one or more of these drugs shall be placed on one side and kept separate from other Insurance Act prescriptions until further notice. As soon as possible further instructions will be issued to pharmacists as to the special way in which these prescriptions should be dealt with. For the present it will be sufficient for pharmacists to carefully follow this instruction and await further details:

Acid. acetyl-sal.	Sod. brom.
Acid. salicylic.	Bismuth. carb.
Salicin.	" oxid.
Sod. salicyl.	" salicyl.
Theobrom. sod. sal.	" subgal.
Acid. hydrobrom. dil.	" subnit.
Ammon. brom.	Liq. bismuth. et ammon. eit.
Potass. brom.	

A letter in regard to this matter is being issued by the Insurance Commissioners, and is reprinted on p. 48.

FIXING PRICES OF DRUGS.

The Government authorities who have this matter in hand are not yet prepared to issue a list of wholesale and retail prices of medicines, but one may be expected shortly. In the meantime the price of bismuth metal was fixed on Tuesday, an advance of 2s. 6d. per lb. being then authorised. Also there is proceeding a sort of inspection of stocks in the hands of importers with a view to circumscribing its distribution.

EXPORTATION OF CHEMICALS.

The Board of Trade's prohibition of exportation of certain chemicals and drugs from this country to, among other places, the British Colonies is being felt very keenly by manufacturers and merchants who had in hand orders for commodities the bulk of which are used by the Colonies, and but small proportions of the output are used at home. Representations have been made to the Board by manufacturers of pharmaceutical chemicals, and we are pleased to learn that the Board is favourably considering the matter with a view to relaxing the stringency of the order and maintaining commercial relations with the Colonies.

RECOVERING LOST TRADE.

The Colonial Secretary (Mr. L. Vernon Harcourt) and the Secretary for Foreign Affairs (Sir Edward Grey, K.G.) are taking steps which, it is hoped and believed, will have the result of securing for this country a great share of the Empire trade now lost to Germany. The "steps" consist in getting from British Possessions abroad samples of articles imported from and exported to Austria and Germany, with full particulars, so that these may be made accessible to manufacturers and merchants in the United Kingdom. It is proposed to exhibit the samples in the Imperial Institute. [Already this is being done by export merchants and others in this country, with a view to getting British manufacturers to match goods that up to now have been shipped direct (in most cases) from Germany to British Colonies.]

TRADE IN DRUGS AND CHEMICALS.

We have received the following statement from the Board of Trade:

In view of the cessation of imports from Germany and Austria-Hungary, and the fact that there are many articles hitherto imported from these countries of importance, if not of necessity, to British manufacturers, information is invited by the Commercial Intelligence Branch of the Board of Trade from importers of such articles as to their precise nature and quality, in order that steps may be taken to

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ascertain whether similar goods might be produced in this country, and, if so, where; or, if not, from what neutral sources they could be obtained.

Doubtless in a large number of cases importers have already taken steps to inform themselves on these points; but, from cases which have come under the notice of the Commercial Intelligence Branch, it is believed that in some instances it has not proved an easy matter to obtain the necessary information, and it is thought that in such cases the Branch may be able to render some assistance.

Communications should be addressed to the Director of the Commercial Intelligence Branch of the Board of Trade, 73 Basinghall Street, E.C.

The following letter by Sir William A. Tilden, F.R.S., dated Northwood, August 14, appeared in "The Times" of August 18:

"I am informed that a communication has been sent by the Secretary of the Pharmaceutical Society to the Secretaries of Pharmaceutical Committees throughout the Kingdom pointing out the necessity for economy in the use of drugs. It also appears that the Government is contemplating the control of certain drugs in the interest of the community.

Probably the British public is not aware that nearly all the so-called synthetic drugs, such as antipyrine, phenacetin, aspirin, chloral, and sulphonal, are made in Germany. So also is the artificial sweetening agent, saccharin, as well as important antiseptic agents, such as salicylic acid, and to a considerable extent also the alkaloids quinine, morphine, cocaine, etc.

The story of how it has come about that Germany has secured practically a monopoly in the production of dyes and of what are sometimes called 'fine chemicals' as distinguished from cheaper and commoner materials, like soda, has been told over and over again during the last forty years. It is only quite recently that belated attempts have been made by a few British manufacturers to revive this department of chemical industry in this country. Surely these manufacturers will not fail to take advantage of their position to prevent a famine in these necessary medical materials. In doing so there seems no sufficient reason why the manufacture of these substances should not be permanently established in this country for the benefit of ourselves and our Dependencies. The question of patent rights would not be an insuperable difficulty, even when the war is over.

There is chemical knowledge, skill, and experience available in this country, but to turn it to account capital and administrative business capacity are wanted. In these two qualifications the English business world has never been supposed deficient."

The alkaloids mentioned by Sir William are all made in this country. There is but one morphine manufacturer in Germany. Saccharin is made in London by the Saccharin Corporation, Ltd. In the same issue of "The Times" a correspondent puts his finger on the predominant cause of apparent British backwardness in the matter of making synthetics and other fine chemicals. He says:

"It may also be asked whether this is not a golden opportunity for English chemical-manufacturers to take up at once a trade so long left in German hands? When this question has been discussed in the past much has been made of the fact that our Government will not allow duty-free spirit for the purpose of chemical manufactures. This fact, it is true, is a serious matter for the chemical manufacturer, but it is one which should now easily be dealt with by a Government which has shown such business capabilities in handling every problem that this war has raised. We ought, however, at once to admit the real, if unpalatable, fact that we have not encouraged the technical side of chemical education, which is so necessary for the successful manufacture of fine chemicals, and that as a consequence we lack men with the necessary practical knowledge. The profession of chemical engineer is almost unknown in this country, and while there are plenty of men who understand the manufacture of heavy chemicals, the quantities (*sic*) manufactured are very small."

We deal with the subject editorially on page 46. Messrs. Burroughs Wellcome & Co., writing to our contemporary on August 19, said:

"We have manufactured in England several important alkaloids and their salts from raw material, some of which is grown at the Wellcome Materia Medica Farm at Dartford, the remainder being imported from various parts of the world. Among these alkaloids are atropine, emetine, cserine, hyoscyamine, hydrastine, hyoscyne, pilocarpine,

sparteine, etc. So long as the present supplies last, and thereafter if they can be replaced at normal rates, it is our intention to continue their sale at the prices prevailing before the war."

Dr. W. H. Martindale is taking a keen interest in the suggestions regarding the manufacture of fine chemicals in this country, and intends to do everything he possibly can in the matter. He considers, however, that it is almost useless for English manufacturers to do much in this direction unless they have some protective tariff.

The "Daily Telegraph" has also dealt with the matter on very similar lines, and in the course of an article prints the following as the opinion of Mr. Sigismund Kutnow (who was an American citizen before he came to settle down in England, where he has been naturalised for many years):

Mr. S. Kutnow has for years advocated that steps should be taken to break the German monopoly. He considers that from the national point of view the matter urgently requires consideration. The supply of German drugs has, he pointed out, been cut off not only from this country but from the whole world. If this country does not proceed to supply the present unmet demand, he believed that the United States, which next to Germany is best equipped with chemists, will speedily take steps to do so—hence the urgency for action on our part.

NEW PATENTS ACT.

The following is the text of the Patents, Designs and Trade Marks (Temporary Rules) Act, 1914, to which reference was made last week (p. 45). The Act was introduced, passed through all its stages, and received the Royal assent on August 7:

An Act to extend the powers of the Board of Trade during the continuance of the present hostilities to make Rules under the Patents and Designs Act, 1907, and the Trade Marks Act, 1905.

Be it enacted by the King's most Excellent Majesty, by and with the advice and consent of the Lords Spiritual and Temporal, and Commons, in this present Parliament assembled, and by the authority of the same, as follows:

1.—(1) The power of the Board of Trade under section eighty-six of the Patents and Designs Act, 1907, and section

sixty of the Trade Marks Act, 1905, to make rules and to do such things as they think expedient for the purposes therein mentioned shall include power to make rules and to do such things as they think expedient for avoiding or suspending in whole or in part any patent or licence granted to, and the registration of any trade-mark the proprietor whereof is, a subject of any State at war with

His Majesty, and any proceedings on any application made by any such person under either of the said Acts, and for extending the time within which any act or thing may be required to be done under those Acts.

(2) In relation to rules made under this Act the provision of sub-section (3) of section sixty of the Trade Marks Act, 1905, shall not apply.

(3) If the rules made under this Act so provide the rules or any of them shall have effect as from the passing of this Act.

2. This Act may be cited as the Patents, Designs, and Trade Marks (Temporary Rules) Act, 1914.

3 This Act and the rules made thereunder shall continue in force during the continuance of the present state of war in Europe, and for a period of six months thereafter and no longer.

At the same time was passed the Patents and Designs Act, 1914, which gives power to amend section 91 of the Patents and Designs Act, 1907. The rights conferred by this section on a person who has applied for protection for any invention, design, or trade-mark in a foreign State are extended to his legal representative and assignees.

Another new Act which has come into force is entitled "Unreasonable Withholding of Food Supplies Act, 1914," which enables the Board of Trade during the present war to take possession of foodstuffs unreasonably held.

BILLS OF EXCHANGE AND THE MORATORIUM.

The following Proclamation respecting postponement of payments was published in the "London Gazette" on August 14:

WHEREAS it is expedient to extend our Proclamation, dated the sixth day of August, nineteen hundred and fourteen (relating to the postponement of payments), so as to cover bills of exchange under certain circumstances, and also payments in respect of any debt from any bank whose principal place of business is in any part of His Majesty's Dominions or any British Protectorate:

NOW, THEREFORE, We have thought fit, by and with the advice of Our Privy Council, to issue this Our Royal Proclamation, and We do hereby proclaim, direct, and ordain as follows:

Notwithstanding anything contained in the said Proclamation, dated the sixth day of August, nineteen hundred and fourteen (relating to the postponement of payments), that Proclamation shall apply, and shall be deemed always to have applied—

(a) to any bill of exchange which has not been received under our Proclamation, dated the second day of August, nineteen hundred and fourteen, as it applies to a bill of exchange, being a cheque or bill on demand, unless in the presentation of the bill the acceptor has expressly refused re-acceptance thereof, but with the substitution, as respects rate of interest, of the date of the presentation of the bill for the seventh day of August, nineteen hundred and fourteen; and

(b) also to payments in respect of any debt from any bank whose principal place of business is in any part of His Majesty's Dominions, or any British Protectorate, although the debt was not incurred in the British Islands and the bank had not a business establishment or branch business establishment in the British Islands.

Given at Our Court at Buckingham Palace, this twelfth day of August, in the year of our Lord one thousand nine hundred and fourteen, and in the Fifth year of Our Reign.

POOR-LAW CONTRACTS.

Special meetings of the great majority of the Metropolitan authorities have been held with a view of coming to some arrangement with their contractors. The Metropolitan Asylums Board have approved the action taken by their Clerk, who, on August 5, addressed a letter to their contractors pointing out that the situation did not relieve them of their responsibility to supply goods under their contracts so long as the goods contracted for were reasonably procurable, stating that the Board would continue to order such goods required under their contract, and expressing the hope that, in view of the large number of sick and helpless persons in the Board's charge, contractors would spare no efforts to maintain supplies in their institutions. He added that contractors might rest assured that in subsequently adjusting accounts in respect of supplies during any period of difficulty, the Board would have full regard to all the circumstances of the case. The response to this letter was satisfactory, but on August 7 he found it desirable to issue a further letter to contractors stating that the Board would be prepared to consider claims in respect of extra cost necessarily incurred on supplies on and after the 5th inst., on account of the state of war, and that such claims should be rendered in detail weekly. The Clerk and the accountant were authorised to deal with all emergencies, and to make exceptional arrangements for dealing with accounts.

The Wandsworth Board of Guardians decided to adopt similar methods in dealing with their contractors. A letter was received from the Board's druggists stating that all manufacturers had put the war clause of contracts into force, and had given notice that no further supplies were to be delivered. They would be unable for a time to execute further orders for certain items under the contract. The Clerk said he had seen the dispensers, and they had informed him that other drugs could be used in the place of those which could not be supplied.

The Clerk to the Bermondsey Board of Guardians stated, in his report to the Board, that a contractor was not entitled to repudiate his contract in order to obtain enhanced prices elsewhere. There was every reason to believe that their contractors for drugs would use their best endeavours to execute their contracts, and they would not be penalised for their failure to supply goods or for late delivery. Where it was found possible to supply goods which were increased in price, any extra charges the contractors made would be favour-

ably considered, and, if reasonable and justifiable, would be allowed.

The Lambeth Board of Guardians have asked their contractors to continue their supplies, and have promised to consider carefully any financial questions at a later date. Letters were read from several contractors maintaining that the contracts were in abeyance, but the Chairman (Mr. Frank Briant, L.C.C.) said the contracts held good, and that they contained no clause covering a time of war. It was decided that all accounts should be promptly paid. The steward at the infirmary informed the Board that he had sufficient drugs to last two months.

The Lewisham Board of Guardians have decided to take no action for a month hence, but in the meantime the contractors are to be asked to continue to supply goods at the expiration of their contracts on terms to be agreed upon.

AMERICAN PHARMACISTS' EUROPEAN TOUR.

The outbreak of the war brought to a close, on August 3, the tour in Europe of the German-American pharmacists, intended visits to Wiesbaden and Cologne having been omitted. Mr. William Mair, F.C.S., who was with the party, informs us that since then the party was detained in Frankfort-on-Main, where the tour ended, no foreigner being allowed to leave the city for some days, the military theory being that, whereas formerly they were at once expelled, they may, especially the subjects of those nations concerned, carry out information and take up arms on return. Postal and telegraphic communication could be maintained in the German language for a day or two previous to England's participation in the war; after that every means of communication was entirely closed. The British Consulate was immediately closed and the Royal insignia taken down; not only was every English business—Messrs. Thos. Cook & Son, for example—absolutely closed and the *facia* taken down, but every English word was deleted or covered over on every signboard in the streets, just as a day or two previously every French word had been similarly eliminated, while every Russian word was permanently obliterated. Half the shops were closed and the other half were doing absolutely nothing. English visitors were, in the first few days, hooted, mobbed, and molested in the streets; arrests on suspicion were of hourly occurrence, and prison for a night was no unusual thing. Perhaps never before in history has the British passport proved an incriminating document, leading, as in the case of Mr. Mair, to a long police examination at Giessen and police escort from there back to Frankfort. By a singular act of courtesy the American Consul issued a special passport to all British subjects, in the name of his Government, withdrawing the British one. Such is the attitude towards England at the moment. Mr. Mair arrived in London on Tuesday evening, August 18, and immediately proceeded to Scotland. In previous reports we have referred to the American party's visits to Berne and Darmstadt, as to which Mr. Mair writes:

While the party was at Lucerne, Dr. A. Tschirch, Professor of Pharmacognosy and of Pharmacology in the University of Berne, specially invited a section, mostly teachers, to visit the Pharmaceutisches Institut there, which they did, when a tour was made of the laboratories, the extensive library, and the unique and wonderful museum of drugs in original packages. Then the visitors were personally conducted through the chief chemical and pharmaceutical features of the Swiss National Exhibition now being held at Berne—much of it due to the professor's initiative and twenty-five years of original work, largely chemical—and an elegant lunch was provided there. An automobile drive through the picturesque capital city was followed by a reception by Professor and Frau and Fräulein Tschirch at their charming villa on the way to the Jungfrau, highest of the Swiss Alps. By the time that the party went to Merck's works at Darmstadt (August 1) it was evident that the military control of every movement was tightening: the special train, in which the party had travelled so comfortably during the previous three weeks was taken off, and considerable preliminary restrictions and inconveniences were experienced—photographing and much else were "verboten"; arrests were frequent and credentials often difficult to produce, especially in the case

of those unfamiliar with the language, so sudden was the onset of this rigorous *régime*. In view of the fact that the works were practically closed down owing to the departure of officials and men for the front, and also that exportation out of Germany was absolutely prohibited, the inspection was abandoned; but every courtesy was shown to the party and arrangements made for their entertainment.

PHOTOGRAPHIC SUPPLIES.

The "Photographic Dealer" sees in the present crisis the dawn of a new era in the British photographic industry. "Quite apart from the absence of German competition, the increased prestige of Great Britain at the termination of the present struggle should place British goods on a far higher plane all over the world."

Many German-made photographic developers are now in short supply, and this has led to a sharp upward movement in prices. The stocks of sodium hyposulphite in this country are low, but it is anticipated that British manufacturers will soon be in a position to meet all demands. Stories come to us of Press photographers going round to local dealers and buying up supplies of available photographic chemicals. Baryta-paper, which is the basis used in the manufacture of printing-out papers, is a German product, but the opportunity is now given to British makers to increase the quantity made in this country. This is apart from the shortage in paper, which, however, affects the high-class paper required in photography to a less degree than the wood-pulp paper used for newspapers.

In this connection Mr. A. C. Remington, buyer to one of the largest English firms of cinematograph-film makers, writes to us as follows:

"May I call the attention of British chemical-manufacturers to the opportunity that now exists, owing to the present crisis, for the introduction of photographic chemicals of British make? In the growing cinematograph-film manufacturing industry of this country a considerable quantity of such chemicals as metol, paramidophenol, hydroquinone, metabisulphite, sulphite of soda, carbonate of soda, citric acid, and hyposulphite of soda is used, most of which (especially the developing-agents) up to the present have been imported from the Continent. Many firms, both in the cinematograph and the ordinary photographic industries, would prefer to use British chemicals, provided they can be obtained, of good quality, at reasonable prices; and the present time, with Continental supplies cut off indefinitely, is, therefore, the British manufacturers' opportunity."

PRINCE OF WALES'S NATIONAL RELIEF FUND.

This fund on August 20 reached a total of 1,315,000*l*. Among the subscribers since our last issue are the following:

W. & T. Avery, Ltd., 100*l*.
 Sir Joseph Beecham, 1,000*l*.
 Benger's Food, Ltd., 500*l*.
 Borax Consolidated, Ltd., 1,000*l*.
 Sir John Brunner (second instalment), 4,000*l*.
 Brunner, Mond & Co., Ltd. (further contribution), 3,000*l*.
 Barrow Cadbury, 1,000*l*.
 Chance & Hunt, 500*l*.
 Cresswell Bros., Ltd., 105*l*.
 Robert Mond, 500*l*.
 Sir W. Vaughan Morgan, Bt., 250*l*.
 Morgan Crucible Co., Ltd., 500*l*.
 Nestlé's and Anglo-Swiss Condensed Milk Co., 1,050*l*.
 Newton, Chambers & Co., 500*l*.
 A. & F. Pears, Ltd., 500*l*.
 Sangers (amount received from War Office for horses), 255*l*. 10*s*.
 Schweppes, Ltd., 262*l*. 10*s*.
 Southall Bros. & Barclay, Ltd., 100*l*.
 Sturge's Chemical-works, 250*l*.

The British Optical Association is promoting a special subscription from the optical industry. Contributions may be sent to Mr. J. H. Sutcliffe, Clifford's Inn, London, E.C.

Two thousand roses were given to the Mayoress of Peterborough (Lady Winfrey) on August 15 by a local firm of florists for the Prince of Wales's Fund. The roses were sold for 80*l*.

THE MEDICAL SERVICES.

"The Lancet," referring to the medical service of the Royal Navy, states that the service "is fully prepared at every point to carry out the duties which will fall to its lot. . . . No one can foretell how long the war will last, but we may repeat that for the time being the medical service at sea and in port is efficient and sufficient, while provision is being taken for the future." Further reference is made to the excellent system of Voluntary Aid Detachments which has been organised for the last three years, and is now to be tested.

A USEFUL MANUAL.

We referred last year to the publication of Gabbett's "Manual for Women's Voluntary Aid Detachments." This is issued by John Wright & Sons, Ltd., Bristol, at 1*s*. It is a useful book, and chemists would do well to show a few copies on the counter. There are in it lists of drugs and equipment for hospitals and a lot of information on first aid. In regard to dispensing the manual states:

The duty of the detachment dispenser will be to make himself acquainted with the medical and surgical stores and how far they can be replenished from local sources. When the hospital is in working order he will be in charge of the storage and arrangement of the medical stores, having a room with cupboards, tables, and a set of shelves allotted for the purpose.

PERSONALIA.

Mr. G. V. Tharratt, only son of Mr. G. R. Tharratt, Ph.C., Liverpool, has been given a commission in the 4th Battalion of the King's Liverpool Regiment.

Captain L. A. Parry, M.D., M.R.C.S., a well-known Brighton practitioner, and younger son of Mr. W. Perkes Parry (W. W. Flood & Co., 56 Great Dover Street, London, S.E.), has been called up for service in the Sussex Territorials.

Mr. M. G. Smith, dispenser at the Lewisham Infirmary, has joined the 5th Battalion Royal West Kent Regiment for the duration of the war. Dr. Toogood, the medical officer, has been instructed to make temporary arrangements until his return.

Mr. John McKesson, jun. (Messrs. McKesson & Robbins, New York), who had secured a passage to Europe per the *Vaterland* (which was prevented from sailing by the German Government), has been compelled to postpone his foreign trip indefinitely.

Mr. Thomas Alexander, of the Royal Infirmary, Edinburgh, who was with Mr. William Mair on the Continental tour, reached Edinburgh on Wednesday morning. They were accompanied by Mr. and Mrs. Thomas Johnston, of Brooklyn. Mr. Johnston left Edinburgh thirty-five years ago, and has made repeated home visits since. He has a successful pharmacy at 1401 King's Highway, Brooklyn, and he is also interested in the Ferromulsion Co. Mr. Johnston has the exclusive "Rexall" agency for Brooklyn, and is attending the Convention in London on August 27.

MISCELLANEOUS.

The prohibition of the export of glycerin from Holland has been revoked temporarily.

"Keep buying to keep the flag flying" is a legend some London traders are exhibiting.

Exeter chemists have met and come to an agreement relative to the retail prices of chemicals and drugs, the cost of which has been seriously affected by the war.

Arthur Gordon Wright, a young Worthing chemist, who was a member of the newly enrolled Civic Guard, was killed on the railway on August 17 while on patrol duty.

The Medical School of St. Mary's Hospital has been closed till further notice. About one hundred surgeons and students have left the hospital for service with the R.A.M.C.

The Oxo Co., Ltd., are paying full salaries to all Territorials and Reservists in their employment who are called to the Colours, and their positions will be kept open for them.

The Board of Trade have fixed the maximum retail cash price for granulated sugar at 3 $\frac{3}{4}$ d. per lb., lump sugar at 4 $\frac{1}{4}$ d., American lard 8d., and margarine 10d., from August 18 to August 21.

Messrs. W. & T. Avery, Ltd., Birmingham, are making arrangements to pay to all employés who have joined the Forces the difference between their Army pay and the average of their usual earnings.

Messrs. Lever Bros., Ltd., are keeping open the places of all their employés called up by the mobilisation, and all married men on the weekly pay list will be allowed half pay during the period of service.

The "Medical Press and Circular" states that Government notes of the face value of one guinea were issued during the Napoleonic wars, and this sum still survives in the customary fee of the physicians of our own day.

Cresswell Bros., Ltd., have presented 5,000 surgical sponges to the Red Cross Society. The company are paying half-wages of their employés joining His Majesty's forces, and they will be reinstated at the end of the war.

The Zeiss Optical Works at Mill Hill, which were completed a year or two ago, have been seized by the military authorities. The "Photographic Dealer" understands that the works are in full operation, presumably on products for the British forces.

It was reported at the meeting of the Teignmouth (Devon) Urban Council on August 11 that all the chemists of the town had undertaken to dispense at cost prices all prescriptions for dependents of members of the Services called to the Colours.

"Counter-trade has greatly fallen off," writes a Hull correspondent. This is the universal experience, a wave of economical intent having swept over the community, so that chemists and druggists, like other shopkeepers, are only being asked for the absolutely needful.

A new unit of the Royal Army Medical Corps has been formed under the title of the Sanitation Corps. It consists of 100 trained officers and men, and is to be entrusted with the special duty of testing food-supplies and water. The Corps will also take charge of all sanitary arrangements.

The German Hospital at Dalston has lost half its staff of doctors and several of its nurses. Nine of the nurses were on holiday in Germany at the outbreak of war, and have not returned, and five of the medical men have been called up on service. The hospital is still open, and has over 100 patients in its wards, many of them English.

The British Medical Association has offered to the Government its machinery and "Journal" for any appeals to the medical profession which the Government may desire to make. Arrangements have been made in many of the Association's divisions so that patients of practitioners called on active service shall be attended free of any cost to the practitioner.

The General Manager of the United Alkali Co., addressing the employés recently, said the company held considerable stocks of raw material, and since the British Fleet held command of the sea they were assured of supplies of pyrites from Spain and nitre from South America. He was hopeful that all the works will remain in operation throughout the war.

The "British Columbia Pharmaceutical Record" somewhat pessimistically remarks:

"With a European war of years' duration in prospect and a decided spirit of unrest prevailing, it behoves the pharmacist to look carefully to his stock and investments. Prices will go wildly up in many essential oils, saffron, and opium, and it would be well to husband your present stock of these articles."

We gather from a communication to "The Times" by Dr. Scott Holmes, Chancellor of Wells Cathedral, that Sir Donald MacAlister was among a party of English refugees from Frankfort-on-Main that arrived at Harwich on August 13. Of the party which reached Wesel, the last fortress in Germany on the way to Holland, at least forty-five were detained as being of military age, and these are to be kept as prisoners until the end of the war.

Messrs. Joseph Crosfield & Sons, Ltd., have not increased the wholesale prices of their soaps, and at present have no intention of doing so. They have arranged to pay half wages, with a minimum of 10s. per week, to all married men in their employ called up for service with the Army, Navy, Territorials, or Ambulance Corps. Their places will be kept open and the time spent on service will count as service with the company for the purpose of the scheme of long-service pay, and also for holidays.

We mentioned last week that Mr. R. J. Reuter comes from Finland, which was a Swedish possession until 1808, when the Czar of Russia proclaimed it an independent Grand Duchy under Russian suzerainty. The country was allowed to govern itself according to the Swedish law of 1734, the governing body being the Senat at Helsingfors, composed exclusively of Swedes, most of them descendants of aristocratic Swedish families. The official language of the country was Swedish. These privileges were abrogated over twenty years ago, and many of the best old Swedish families have emigrated, especially to Sweden; but the Finns have not yet given up hope that the day will come when their former rights and privileges will be restored.

Manufacture of Salicylic Acid.

THE manufacture of salicylic acid in this country is one of the things that British chemical manufacturers have yet to do. The trade in salicylic acid, sodium salicylate, salol, and acetyl-salicylic acid has reached very large dimensions, and there are no patent-rights to consider. We are referring to synthetic salicylic acid as distinguished from natural salicylic acid, which is but little in demand now. Professor Hermann Kolbe, of Leipzig, obtained an English patent in 1874 for "Improvements in the production of salicylic acid and of the isomeric and homologous acids," although in 1860 he had published a method in which metallic sodium was employed in place of sodium hydrate for acting on phenol to form sodium phenate, the first step in the process. In 1879 the patent was the subject of a lawsuit in this country, which terminated in favour of Kolbe's representatives. The fact is interesting, however, because it showed that even in 1879 there were other makers of salicylic acid in Germany, while there are none in this country even now. The patent expired in 1887. The details of the manufacture by Kolbe's process are as follows:

Crystallised phenol is dissolved in the equivalent quantity of concentrated sodium hydroxide, and the solution is evaporated to dryness in shallow iron vessels, stirring thoroughly to prevent charring, and finally grinding it with a heavy pestle to a dry powder. The dry sodium phenate, C_6H_5ONa , which is always of a reddish-yellow colour and very hygroscopic, is heated in a metal retort at first to 100°, and a current of dry heated carbon dioxide is passed in, constantly stirring the mass. The temperature is gradually raised, so that after a lapse of several hours it rises to 180°. After the heating has been continued for some time phenol begins to distil over, at first in small quantity, afterwards more abundantly. Finally, the temperature is raised to 200°, and the operation, which lasts from six to eight hours, is interrupted when no more phenol distils over at that temperature. It is necessary to keep up a rapid current of heated carbon dioxide in order that the liberated phenol may be removed as rapidly as possible from the retort, otherwise the mass cakes together, preventing further absorption. Half of the phenol originally present as phenate distils over during the process. The greyish-white mass of disodium salicylate remaining in the retort is, after cooling, dissolved in water and freed from resinous matters and coloured impurities by fractional precipitation with hydrochloric or sulphuric acid, after which the salicylic acid itself is precipitated by a further addition of the mineral acid.

Salicylic acid is now prepared chiefly by the action of carbon dioxide on heated potassium phenate, and a modification has been adopted in which carbon dioxide is employed under pressure at a temperature of 120° to 145° C.

By whichever process the acid is made it is purified from cresolic acid by a method devised in 1878 by John Williams, a former President of the Pharmaceutical Society. When Professor Charteris was conducting physiological experiments with synthetic salicylic acid he found that the presence of cresolic acid was a serious drawback, and at his request Professor G. G. Henderson examined the purification methods, deciding in favour of the Williams process. This consists in neutralising a hot aqueous solution of salicylic acid with calcium carbonate, and filtering off the calcium salicylate. This is recrystallised from hot water till colourless, decomposed with hydrochloric acid, washed with water, and recrystallised from dilute spirit. Certain stages of the process, as well as the final crystallisation, are covered by secrecy, so that it is difficult to obtain an acid which is absolutely pearl-white and so remains.

ACETYL-SALICYLIC ACID.

The use of this modification of salicylic acid has extended considerably of late years until it has become an important article of manufacture. The starting-point for this is salicylic acid. There are no patent-rights covering its manufacture. It was Kraut who in 1869 first prepared this body by the action of acetyl chloride on salicylic acid. A law-case was fought in 1905 regarding a patent taken out in 1898, when it was decided that the patent was void for want of novelty. The following are two methods of making acetyl-salicylic acid:

(1) A mixture prepared from 50 parts of salicylic acid and 75 parts of acetic anhydride is heated for about two hours at about 150° C. in a vessel provided with a reflux condenser. Thus a clear liquid is obtained, from which, on cooling, a crystalline mass is separated, which is the acetyl-salicylic acid. It is freed from the acetic anhydride by pressing, and is then recrystallised from dry chloroform. The acid is thus obtained in the shape of glittering white needles, melting at about 135° C., which are readily soluble in benzene, alcohol, glacial acetic acid, and chloroform, but with difficulty in cold water.

(2) Salicylic acid 25 parts is mixed with 20 parts of acetyl chloride, then heated for several hours at about 80° C. in a vessel provided with a reflux condenser. Subsequently the excess of acetyl chloride is distilled off with the aid of a water-bath. The so-produced white crystallised mass is recrystallised from dry chloroform.

SALOL.

This product—salicyl phenylester or phenol salicylate—is obtained by treating salicylic acid and phenol with phosphorus pentachloride or phosphorus oxychloride. Salol was produced by Nencki in 1883 and patented here in 1886. The right of manufacture was transferred to three or four German firms, and seems to have continued with them even when the patent-right had expired.

GAZETTE.

Partnerships Dissolved.

BOOTH, J. J., and BOOTH, T. A., Longfield Works, New Street, Idle, Bradford, under the style of Booth & Co., wholesale druggists, drysalters, and chemical-manufacturers.

WILLIAMS, A., and JOHNSON, W. C., medical practitioners, under the style of Williams & Johnson.

AMERICAN SYNTHETIC CAMPHOR.—The formation of a company in Philadelphia to manufacture synthetic camphor from turpentine is announced by the New York "Oil, Paint, and Drug Reporter." The company intend to begin "manufacturing operations with a daily output of 2,500 lb.," and they state that they are making the synthetic product at a cost far below the prices asked for natural camphor. The announcement is not causing any uneasiness among importers of Japanese refined or the American refiners as they are of the opinion that the cost of production, which will vary with the cost of turpentine, will be raised to comparatively high levels whenever the turpentine market advances sharply, as it occasionally does.

ENGLISH AND WELSH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Brevities.

Todmorden Tradesmen's and Commercial Association last week decided to adopt early-closing hours during the war, with a view to economise expenses. The Hebden Bridge Tradesmen's Association have followed the same course.

York chemists report little falling-off of business owing to the war. Being the holiday season, trade is, as usual, quiet, but it is expected that with the conclusion of the holidays the economy of the public will become more evident.

The Islington medical officer of health, in his annual report, states that fifty-five samples of drugs were purchased for analysis in the borough during the past year. With five exceptions, all were genuine. The articles returned as "adulterated" were: Bland's pills, paregoric, compound liquorice-powder, and olive oil.

On August 15 a fire broke out in a cellar under the pharmacy of Messrs. Fuller & Co., Rampant Horse Street, Norwich. While two employes were filling a vessel of methylated spirit the spirit caught fire from a lamp. An assistant pluckily carried the flaming vessel out of the cellar, and the manager succeeded in extinguishing the flames with ammonia.

Seven fatalities due to taking poisons have occurred during the past week. With one except all were suicidal cases. The poisons involved were ammonia, carbolic acid, opium, oxalic acid, and weed-killer. At the inquest on Albert Wilbore, Hinckley, who died of opium-poisoning, the poison was sold to deceased by an unqualified assistant in the absence of his employer. The jury considered that the chemist and his assistant should have exercised more care.

Birmingham.

A local firm has commenced the manufacture of such photographic chemicals as hydroquinone, pyrogallol acid, etc.

With fruit in the Evesham district ripe and abundant, the problem of preservation "sine saccharo" is engaging the attention of the growers.

The first pocket of Worcestershire hops has been received at Worcester from Ledbury, and the fine quality augurs well for the general crop.

Colonel Wyley, in conjunction with Earl Craven, called a meeting of Coventry citizens on August 15 to consider and organise measures to be adopted locally in the present crisis.

Mr. W. A. Albright, Edgbaston, of Messrs. Albright & Wilson, chemical-manufacturers, Oldbury, had an exciting experience while returning from a month's tour in Switzerland, Austria, and France.

Birmingham pharmacists frequently suffer defeat on the cricket-field, but there are some redeeming features—Mr. E. G. W. Gateley, a slow left-hand bowler, this week taking four wickets with four consecutive balls.

Traders occupying large shops in the centre of the city are complaining of great loss of trade and pressure being put on them by landlords and tax-collectors. Endeavours are being made, through the local Press, to secure concerted action during the present crisis.

Harrogate.

As in most other places, an "Executive Relief Committee" has been formed. The President and Secretary represent the local Pharmaceutical Association.

The war has to some extent deranged business, but though the season has suffered, there are still a number of visitors, and "Business as usual" is the slogan of the town.

The Harrogate Pharmaceutical Association offered to the Mayor a parcel of surgical dressings, etc., for use at his discretion. The parcel is to be handed to the St. John Ambulance Association.

Nursing and hospital accommodation is being provided in the town for over 600 wounded. It is announced that a few local chemists are prepared to supply medical and surgical requisites at cost-price or even less, and to place their services at the disposal of the hospitals at any time.

Sheffield.

Sheffield is to be one of the centres of the Third Northern General Hospital, in charge of the R.A.M.C., under Lord Haldane's scheme.

Newton, Chambers & Co., Ltd., Sheffield and Thorncliffe, have offered to allow the Government to draw on their stock of benzol, amounting to about 35,000 gals., in case of need.

Boots, Ltd., exhibit at most of their branches a large poster announcing that they charge no extortionate war prices, and that most invalid and infants' foods may be had at the usual prices.

Mr. F. J. Hitchcock, chemist and druggist, Riddings, whose marriage to Miss A. D. Severn, Codnor, is announced this week, was called up to join his regiment, the Sherwood Rangers, to which he is attached as a motor-scout. He was granted permission to return home for the wedding, for which all arrangements had been made, and which took place at Codnor Parish Church. Mr. Hitchcock left immediately after the ceremony to rejoin his regiment.

The Manufacture of Thorium Nitrate.

The chairman of the South Metropolitan Gas Co. at the general meeting last week referred to the fact that the greater part of the chemicals required in the manufacture of incandescence-gas mantles comes from abroad. There is, he said, only one maker of thorium nitrate in this country, and that business was built up by encouragement given with money provided by the South Metropolitan Gas Co. and a firm of chemical-manufacturers. He hoped that the lesson of the war would be taken to heart and the utmost support given to the extension and encouragement of the chemical-industry within the realm.

Poor-law Medicines.

At a recent meeting of the Keynsham Guardians a letter was read from the Local Government Board with reference to the raising of the salary of Mr. C. Harrison, medical officer to the institution, from 60*l.* to 85*l.* per annum, stating that they would not offer objection to the increase proposed, but suggesting that the Guardians should take this opportunity of reconsidering this officer's remuneration, with a view to the adoption of an arrangement whereby all medicines required for the use of the sick inmates would be provided at the cost of the Guardians, and not at that of the medical officer. The Clerk remarked that a properly equipped surgery would mean a considerable outlay, others expressing the opinion that the institution was too small. The latter view, on the motion of the Chairman, prevailed. "The Hospital" of August 8, states that:

"This, unfortunately, does not alter the fact that the principle of a medical officer having to supply drugs out of his own pocket is thoroughly vicious, and is condemned because it makes the question of the prescriber's own pocket enter into his mind, in which the patient's requirements should alone have influence. We have no doubt that before long this evil system will be as formally abolished in practice as it is discouraged in theory; and the sooner the better for the sick poor and medical officer alike."

Contracts.

Settlement has been reported of the following contracts: Alford (Lines) Urban Council.—Mr. R. Kemp, as chemist for six months.

War Office.—Wm. Cleghorn & Son, Walsall; Incorporated Association for Promoting the General Welfare of the Blind, London; G. B. Kent & Sons, Ltd., London; Alexander Reid & Sons, London—for brushes. Fannin & Co., Ltd., Dublin, for surgical materials and repairs, Ireland (term contract).

A Case of Fraud.

At Willesden Police Court on August 17, the case was continued in which John Sylvester Walker (27) and William Henry Wood (30), described as chemists, were charged with various acts of fraud (*C. & D.*, August 15,

p. 38). Further evidence was given, the witnesses including Mrs. Sharp, whom prisoners had defrauded to the extent of 9*l.* by getting her to cash a worthless cheque. Wood admitted that he had done wrong, and took all the responsibility on his own shoulders. Had things gone all right in the business, he believed they would have made a fortune. Walker had not done wrong knowingly. The Magistrate said Wood in particular had been guilty of very shameful acts of fraud, and he could not do less than send him to hard labour for four months. Walker, whose conduct was not quite so bad, would go to hard labour for two months.

IRISH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Pharmaceutical Society of Ireland.

The monthly meeting of the Council was summoned for August 11, but was not held.

Brevities.

Mr. R. F. McCartney, Ph.C., has been appointed on the Relief Committee of Coleraine Urban Council to deal with distress arising from the war.

Sir Wm. Baxter, Ph.C., as Deputy-Lieutenant for the County of Londonderry, is convening a county meeting in connection with the Prince of Wales's Fund.

A Dublin correspondent informs us that Dr. A. J. Barnes, Ph.C., Dublin, has been awarded a prize of 1,000*l.* in a "Tit-Bits" competition. Dr. Barnes considers these competitions as his hobby, and he has already won quite a number of prizes. He is Secretary of the Dublin Retail Chemists' Association.

The Ulster Drug-Trade Association met on August 12, the President (Mr. James Tate) in the chair, for the purpose of taking into consideration the further revision of the price-lists. A number of prices were altered, and the meeting was adjourned until August 20.

The Local Government Board have intimated to the Athlone Guardians that the expenditure for drugs and appliances to the Kiltloom dispensary (23*l.* 10*s.*) is very high, considering that there were only 145 patients. The doctor's reply is that the number of patients treated was much higher.

A Dublin paper states that the manager of a firm of wholesale druggists has informed it that although a large quantity of drugs and patent medicines are obtained from German manufacturers, there is not the slightest fear of a shortage, for there is nothing in surgery or medicine that cannot be produced in these countries.

Mr. H. G. Grantham, representative of Messrs. Allen & Hanburys, Ltd., London, E.C., was injured in a motor accident on August 10 at Collon, on his way to Dublin. Mr. Grantham is at present in the Drogheda Cottage Hospital, and writes that he is rapidly recovering and does not expect that his Irish and West of Scotland journey will be deranged more than two or three weeks.

Drug-contractors' Difficulties.

Messrs. John Clarke & Co., Belfast, have written to the Coleraine Board of Guardians, to which they are contractors for medicines, stating that, owing to the outbreak of war, they were obliged to claim *force majeure* on the contracts now running with the Board, as many of the articles were almost unprocureable in consequence of the scarcity of raw materials. The Guardians are to submit the letter to the Local Government Board.

The Cork Chemical and Drug Co., contractors to the South Infirmary, Cork, have written to the Committee of Management, stating that the Infirmary is ordering very large quantities of certain dressings, quite above the normal. They were willing to supply these articles in normal quantities at contract prices, provided they can obtain supplies, but if abnormal quantities are to be purchased, they consider they should be paid extra prices in cases where advances have occurred.

SCOTTISH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Aberdeen.

Mr. A. Marr, dispenser in Dr. Mearn's surgery, Torry, has obtained the additional appointment of temporary dispenser in St. John's Military Hospital.

Prices of headache-powders, saccharin tablets, sugar of milk, and the like have been advanced in most pharmacies. Customers generally seemed to anticipate the increase.

A serious fire occurred at the premises of the Aberdeen Combworks Co. on August 12, two floors of the fancy-box department being destroyed. The damage, estimated at 6,000*l.*, is covered by insurance.

Brevities.

A Dundee paper draws attention to the use of the term "free medicine" for insured persons, and states that it is of importance to keep in mind that all insured persons are paying for attendance and for medicine.

On August 15 the shop of a trader in Leven who was suspected of pro-German tendencies was wrecked by a mob, and in quelling the disturbance the police were rushed by the crowd across the street and through the windows of Mr. John Buchanan's pharmacy, 73 High Street. Mr. Buchanan lost a number of articles from his windows, bottles being used as missiles.

Edinburgh.

Fairly accurate statements regarding the scarcity and increased cost of certain drugs and chemicals have appeared in local papers.

The feeling of panic in the drug-trade has entirely disappeared, and business is excellent in most districts. Insurance prescriptions are scarce.

The Border honey-harvest is fairly good, although bee-disease is still prevalent. The heather honey-harvest is now beginning, and the bloom on the heather is very promising.

Dr. Cumming, who is a chemist and druggist, has joined his regiment, the 9th Royal Scots; and Dr. J. W. Senter, also a chemist and druggist, who served as a dispenser in the South African War, is on duty in the North of Scotland.

Mr. A. B. Gairn, chemist and druggist, has retired from the firm of Messrs. Sutherland & Gairn, chemists and druggists, 11 Drumseugh Place, Edinburgh, as at July 1. The business will be continued by Mr. J. Y. Sutherland, the remaining partner.

Glasgow and the West.

Messrs. Henderson and Seivwright beat Messrs. Campbell and Russell in the golf foursomes competition by 2 up.

Mr. John Michie and Mr. Charles Michie have volunteered as dispensers, and have been accepted by the War Office. They left for Aldershot on August 17. The Golf Club thus loses two of its keenest members. Mr. T. Steel, who was for some time with Mr. Wm. Seivwright, Strathbungo, left on August 14 for Aldershot, for service as a dispenser.

Mr. C. T. Cockburn, chemist and druggist, and Mr. J. J. Forbes, chemist and druggist, who were partners of the Oberju Co., manufacturing chemists, 80 Great Clyde Street, Glasgow, intimate that they retired from the firm as at November 19, 1913.

A meeting of the Trade Committee of the Glasgow and West of Scotland Chemists' Association was held on August 12, when Mr. J. P. Gilmour was elected Chairman and Mr. Murray (Pollokshields) Secretary. After discussion the Committee decided to send a circular to members suggesting that, owing to the great increase in wholesale prices, retail prices should be raised 25 per cent. Where this general increase was insufficient the following prices were suggested:

Acid. acetyl-salicyl., per oz. 9*d.*, per dr. 2*d.*

Acid. citric., per oz. 6*d.*

Acid. tartaric., per oz. 3*d.*, per 4 oz. 3*d.*, per lb. 2*s.* 5*d.*

Ammon. brom., per oz. 9*d.*, per dr. 2*d.*

Chloral. hyd., per dr. 2*d.*

Ext. ergot. liq., per oz. 1*s.*

Ferri et ammon. cit., per oz. 8*d.*, per dr. 1*d.*

Ferri et quin. cit., per oz. 1*s.* 10*d.*, per dr. 3*d.*

Glycerin, per oz. 3*d.*, per 4 oz. 10*d.*

Ol. amygd. dulc., per oz. 4*d.*

Paraffin liq., per oz. 2*d.*, per 6 oz. c.v., 1*s.*

Phenazone, per dr. 4*d.*

Pot. bromid., per oz. 9*d.*, per dr. 2*d.*

Pot. cit., per oz. 9*d.*, per dr. 2*d.*

Pot. permang., per oz. 3*d.*

Sacch. lact., per lb. 2*s.*

Sodii bromid., per oz. 9*d.*, per dr. 2*d.*

Sodii salicyl., per oz. 6*d.*

Sodii hyposulph., per lb. 4*d.*

Dressings, 25 per cent. advance.

Gamgee, 1 lb. 1*s.* 11*d.*, $\frac{1}{2}$ lb. 1*s.*, $\frac{1}{4}$ lb. 7*d.*

Foods retailed at less than face value, add 10 per cent.

FRENCH NEWS.

(From the "C. & D." Paris Correspondent.)

Serums Requisitioned.

The whole of the large stocks of serums of the Pasteur Institute, Paris, as well as its entire resources have been requisitioned by the French military authorities. Applications for the serums during the war will be referred to the Central Administration of the French War Office, whether for the civilian population or the French army.

On the recommendation of the Paris Academy of Medicine the population of the city of Paris are urged to be revaccinated. Other sanitary measures are being encouraged, and in certain cases rigidly enforced.

THE DOCTOR OF THE CÆSARS.—M. Clerc, director of the Borély Museum at Marseilles, has communicated to the Académie des Inscriptions et Belles-Lettres an inscription discovered near that city. It is the epitaph of a Greek slave, Hermocrios, freed by Arruntius, who, according to Pliny the Elder, was among the famous doctors of the early days of the Roman Empire, and attended several of the Cæsars.

MERCK'S FRENCH FACTORY.—According to the "Figaro" of August 5, the police have arrested two workers at the chemical-factory of E. Merck at Montereau, about forty miles from Paris. The two men, Walter Gruschwitz and Ernest Weiss, were born in Germany, and have been placed in prison at Fontainebleau. It is added that at Weiss's lodgings various documents of an incriminating nature were discovered. At the Montereau works were manufactured certain chemicals upon which very heavy duties were imposed when imported into France.

AUSTRALASIAN NEWS.

"The Chemist and Druggist" is subscribed for and supplied weekly to all the members of nine Chemists' Societies in Australia and New Zealand.

The Commonwealth.

OPIUM EQUIVALENT.—Under the Customs Act standards of condensations have to be established, according to which duty shall be charged. The list has been added to by a regulation, dated June 5: "One pound of extract of opium shall be deemed equal to two pounds of ordinary free opium."

THE AUSTRALASIAN PHARMACEUTICAL CONFERENCE is offering a gold medal and books to the value of 5*l.* for competition by students. Competitors must have completed their apprenticeship, and, if they have passed the qualifying examination, this must not have been previous to December 31, 1912.

New South Wales.

MEDICAL AID.—The Minister for Public Health (Mr. Flowers) announced on June 19 that he had decided to establish in country centres a new medical scheme whereby the Government will guarantee the income of doctors in centres twenty miles or more distant from district hos-

pitals. The guarantee will be conditional on the doctor having available at his residence two beds for casualty or urgent cases. A Bush nurse is also to be provided by the Government in each such centre.

South Australia.

PHARMACEUTICAL SOCIETY.—For the first time for many years there has been a contested election for the Council. There were eleven candidates for the seven positions. As a result of the election on June 26 five members were re-elected, and Messrs. R. E. Guenther and J. W. Snook were elected in place of Messrs. S. A. and E. S. Cooper.

Victoria.

THE POISONS-BOOK.—In Victoria and in some other States the poisons-book by law must be shown to any police constable or sergeant of police; but this does not mean that it need be shown to any other member of the public. On one occasion recently in Victoria a sergeant appeared with two other men, asking to see the poisons-book, stating that some valuable dogs had been poisoned, and it was desired to discover if any person living near the residences of these two had recently purchased poison. The pharmacist declined to produce the book, but stated afterwards to the sergeant that it was always at his disposal for his private inspection.

SOUTH AFRICAN NEWS.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is subscribed for and supplied weekly to all the members of the seven Chemists' Societies in British South Africa.

Orange Free State.

BUSINESS CHANGE.—Mr. J. J. Seymour has sold his business at Vrede, Orange Free State, to Mr. Lehmann, of Boksburg, Transvaal.

A SPECIAL EXAMINATION for chemists and druggists was held by the Medical and Pharmacy Council of the Orange Free State on July 23 and 24, when Mr. Lehmann, of Boksburg, Transvaal, the only candidate examined, succeeded in qualifying.

Pharmaceutical Society of the Transvaal.

THE sixteenth annual general meeting of the Pharmaceutical Society of the Transvaal was held at the Grand National Hotel, Johannesburg, on July 28, with Mr. J. Christie (President) in the chair. He was supported by a representative gathering, including Mr. H. Wheelton (Vice-President), Mr. W. H. Cross (acting Hon. Secretary and Treasurer), and Messrs. Rennie, B. Owen Jones (Boksburg), Sanderson, Johnstone, Anderson, Hetherington, Main, Thomson, Hyland, Keir, Ralling, Roux, Barker, Whyte (Roodepoort), Karnovsky, Ashkanazy, Murray, Braes, Carnegie, Murdoch, Muckersie, Hodson, Wernikoff, Simpson, and Bull. The Chairman presented the annual report and balance-sheet, which was adopted. The membership is now 170. The financial statement shows that the funds were 274l. 17s. 3d., made up of fixed deposits and interest 213l. 14s. 10d. and current banking account 61l. 2s. 5d. During the year three general and fifteen committee meetings were held. The report gives an outline of the action taken in regard to shop-hours, and although the new Act recommending that chemists close at 7 p.m. instead of 8 p.m. was declared *ultra vires* by a Court decision, the Committee strongly urge members to adhere to the hours laid down in the said Act. Reference is also made in the report to the work of the P.A.T.A. and the new price-list which is now in force, and a brief *résumé* is also given of the work done in regard to the proposed Medical Practitioners', Dentists', and Chemists' and Druggists' Union Registration Amendment Bill. This Bill, as notified in the *C. & D.*, has been withdrawn because of opposition in the House of Assembly, and when it is introduced next Session it is to be hoped (says the report) that it will include chemists and embody the suggestions put forward by the Transvaal Pharmacy Board. The President thanked the Committee for their loyal support during his term of office, and wished to record the Society's appreciation of the work of Mr. W. H. Cross as Secretary and Treasurer, who had kindly con-

sented to act *pro tem.* at the last annual meeting. Mr. Thirde was appointed his successor, but unfortunately had to resign shortly afterwards owing to indifferent health, and the services of Mr. Cross were again placed with the Society. Mr. Barker complimented the Committee on their excellent work, especially by assisting in bringing to such perfection the retail price-list. Mr. W. E. Hodson was unanimously elected Hon. Secretary and Treasurer for the year 1914-15. The result of the ballot was then made known by the scrutineers for election to the Committee for the ensuing year: Messrs. B. Owen Jones, M.L.A. (Boksburg), Chas. Keir, J. Christie, W. H. Cross, E. J. Adcock (Krugersdorp), J. Main, H. Wheelton, A. Rennie, H. M. Hetherington, E. L. Ralling, and W. Whyte (Roodepoort). The new Committee elected Mr. H. Wheelton President and Mr. J. Main Vice-President. A hearty vote of thanks to the retiring President was given with acclamation and responded to. The new President, on taking the chair, thanked the members for the honour conferred upon him. He assured them that he would endeavour to uphold the dignity of the Society, and that his careful consideration would be given to all matters of interest to members. Many matters of local interest were then discussed, and votes of thanks to the examiners of accounts, scrutineers, and the chair terminated the meeting.

NETHERLANDS NOTES.

The Sickness Insurance Companies in Holland, which correspond to the British "approved" societies, are taking steps to mitigate the consequence of non-payment of contributions by insured persons resulting from the war. Both physicians and pharmacists are assisting in the matter of medical aid.

The Dutch Red Cross Society, which was founded in 1867, is rendering assistance to the combatants in the present war, as it has done in all the wars that have been fought since its foundation. The organisation is complete, and many large residences have been placed at the disposal of the Society by the owners.

Pharmacy Law Difficulties.—The "Nederlandsche Maatschappij ter Bevordering der Pharmacie" has called the attention of the Minister of the Home Department to the fact that the present state of the drug-trade brings the pharmacists into danger that they will not be able to obey Article 4 of the law regulating the practice of pharmacy. This article binds pharmacists to keep in stock the medicaments mentioned in the Dutch Pharmacopœia in a sufficient quantity. The stocks of several drugs are now very small; in the opinion of some experts only sufficient for two months. The hope is expressed that the Minister will prevent pharmacies becoming short of medicaments on account of drugs purchased for speculative purposes.

Groningen Tercentenary.—On the occasion of the festivities in celebration of the 300 years' existence of the University of Groningen honorary degrees have been conferred on several persons who have distinguished themselves particularly by scientific researches. The degree of Doctor of Pharmacy, *honoris causa*, has been bestowed on a Dutch pharmacist (Mr. C. J. Koning, Bussum) on account of his important researches, particularly as to the composition and examination of milk and milk-products. Dr. Koning was one of the editors of the "Pharmaceutisch Weekblad" from 1907 till 1910. On the same occasion the title of Doctor of Literature, *honoris causa*, was bestowed on her Majesty the Queen, and that of Doctor of Medicine, *honoris causa*, on his Royal Highness Prince Henry of the Netherlands.

MESSRS. FRANK NEWBERY, LTD., shaving-brush manufacturers, intimate that they have removed from Bulmershe Road, Reading, to Northfield Works, Northfield Road, Reading.

We are informed that Mr. Bertram Baker, the 1913 Fairchild Scholar, has always been in the employment of Boots, Cash Chemists, Ltd., and was in their employ when he won the scholarship.

CASCARA SAGRADA.—The exports from Portland, Oregon, during 1913 amounted to 165,346 lb., valued at 2,265l. Germany and the United Kingdom being the principal destinations.

LEGAL REPORTS.

TRADE LAW.

Chemist's Accounts.—Mr. H. Beck, 168 Green Street, Victoria Park, E., informs us that he (not A. A. Beck) was a defendant in a case reported in the *C. & D.*, August 8, p. 40, and that the amount in dispute was 4l. 3s. 3d. (not 9l. 3s. 3d.).

Partnership with an Alien Enemy.—In the Vacation Court, London, on August 19, mention was made of an action (*Feldt v. Chamberlain & Gottschalk*) for the dissolution of partnership, on the ground that Gottschalk is an alien enemy who has left England to fight for Germany. Mr. Justice Shearman said he thought partnership, so far as Gottschalk was concerned, was dissolved, but not so far as it concerned the English partners. His Lordship added that he had taken some trouble about the law in regard to alien enemies; it is 1,100 years old, and perhaps a little obscure. His Lordship appointed a receiver, but the question whether the partnership should be dissolved was allowed to stand over until the trial of the action.

Moratorium in the Courts.—In the City of London Court, on August 18, Judge Atherley-Jones, K.C., explained that the moratorium is confined to debts over 5l. incurred prior to August 4. It might with justice have been applied to debts incurred by people in humbler circumstances, which generally are not above 5l. As to Court proceedings in cases of default, summonses where no intention to defend had been indicated no judgment would be given, and the cases would be adjourned generally, so as to avoid unnecessary terrible congestion of business, such as would happen if cases were adjourned until September 4, when the moratorium ceases or is to be extended. With regard to summonses for contract debts incurred before August 4 for amounts over 5l., he would not propose to give judgment, but to adjourn the cases. Judgment summonses, being within the moratorium, would be adjourned *en bloc* when over 5l. As to debts under 5l., he would exercise his discretion before making any order. No committal order would be made except in cases of the gravest contumacy. He did not propose exercising any dispensing power, because he considered that that would be illegal. A list of judgment summonses was heard, and most of the cases adjourned, one action for wages being proceeded with and an order for instalments made. The Judge urged the debtors to pay "when all our troubles are over."

A Discount Dispute.—In the City of London Court, before Mr. Assistant Registrar Tattershall, on August 18, Messrs. Burroughs Wellcome & Co. sued Mr. R. Evan Parker, chemist, Coventry, for the balance of account for tabloids, drugs, and chemicals supplied. The plaintiffs' representative said the matter before the Court was really a question of discount deducted in error. The defendant had given a special order for tabloids, drugs, and chemicals, upon which he was to receive a discount of 25 per cent. in consideration of payment of the account by return of post. The plaintiffs' terms were 20 per cent. at one month. The defendant had given an order on December 22, which he had paid on January 2, deducting 25 per cent., instead of 20 per cent. The defendant, having paid within the month, was entitled to 20 per cent., but, not having paid by return of post, the 25 per cent. was not allowable. The defendant had sent a cheque for 13l. 8s. 7d. in full discharge, but the plaintiffs sent a receipt on account. The defendant said that for ten years, while he was manager for a firm of chemists, he had always been allowed 25 per cent. without any restriction whatever. The plaintiffs' representative, when calling upon him for the order in question, had asked that it should be for an amount of 20l. The order he did give was to be subject to a discount of 25 per cent. The invoice for the goods was sent in on Christmas Day, and the goods were checked the day after Bank Holiday. At the end of the month a cheque was sent in settlement, and on January 1 he received a receipt. He had not given a 20l. order. If he had done so he would have been entitled to an extra 1½ per cent. discount. He had requested the plaintiffs to allow him to increase the order to 20l. in order to get the extra 1½ per cent. upon payment by return of post, but the plaintiffs refused to allow him to increase the order. The Assistant Registrar, in giving his decision, said there was a stated account for the sum of 13l. 8s. 7d., which had been paid by the defendant in the stipulated time, and there would be judgment for the defendant, who would be allowed 30s. expenses, having to attend the Court from Coventry. The plaintiffs' representative said he expected the plaintiffs would appeal against the decision.

LIMITED COMPANIES.

New Companies Registered.

P.C. means Private Company and R.O. Registered Office.

VIKING COMPOSITIONS, LTD. (P.C.).—Capital 2,000l., in 1l. shares. Objects: Chemical-manufacturers. R.O., Harmsworth Street, Glasgow.

STERLING NOVELTIES, LTD. (P.C.).—Capital 1,500l., in 1l. shares. Objects: To carry on the business of a mail-order house and, among other things, chemical and drug merchants. R.O., 10 Essex Street, Strand, London, W.C.

JAMES T. HOLT, LTD. (P.C.).—Capital 100l., in 1l. shares. Objects: To carry on the business of bleachers, dyers, and chemical-manufacturers, and to enter into an agreement with Bleachers' Association, Ltd. R.O., 4 Norfolk Street, Manchester.

UNITED DENTAL SERVICE, LTD. (P.C.).—Capital 750l., in 5s. shares. Objects: To offer and provide dental attendance, etc., to persons of limited means in the United Kingdom. The first directors are W. T. Bowen, Bolton, R. R. Flint, Sheffield, and F. Butterfield.

J. T. BECKETT & SONS, LTD. (P.C.).—Capital 2,000l., in 1,500 7-per-cent. preference shares of 1l. and 5,000 ordinary shares of 2s. each. Objects: To carry on the business, among others, of manufacturing chemists. R.O., 54 Heywood Street, Cheetham Hill, Manchester.

J. BIBBY & SONS, LTD. (P.C.).—Capital 500,000l., in 1l. shares. Objects: To acquire the undertaking and business carried on at Liverpool and elsewhere by Joseph Bibby and James Bibby as J. Bibby & Sons, and to carry on the business of seed-crushers, oil-refiners, etc., distillers of oils, manufacturers of soap, glycerin, paints, etc.

JOHN TIMOTHY O'SULLIVAN & CO., LTD. (P.C.).—Registered in Dublin. Capital 100l., in 1l. shares. Objects: To carry on the business of chemists and druggists. The subscribers and first directors are: J. T. O'Sullivan, Searcote Street, Newmarket, co. Cork, auctioneer, and M. O'Sullivan, Searcote Street, Newmarket, co. Cork, clerk. R.O., Searcote Street, Newmarket, co. Cork.

DAVIES' PHARMACY (COMMERCIAL ROAD), LTD. (P.C.).—Registered on August 14 with a capital of 400l., in 1l. shares. Objects: To take over the business carried on at 559 Commercial Road, London, E., as "Davies' Pharmacy," and to carry on the business of pharmacy and drug-store proprietors, chemists, druggists, manufacturing chemists, oil and colour men, etc. M. Bereslavsky is the first governing director.

Company News.

A. & F. PEARS, LTD.—The working agreement between A. & F. Pears and Lever Brothers, Ltd., was approved at a meeting of the shareholders of the former company held on August 13. Sir T. Dewar, who presided, said that the proposal was to convert the existing issue of 320,000 ordinary shares into 12 per cent. cumulative preferred ordinary shares and to increase the capital by issuing 150,000 new ordinary shares, which would be purchased by Lever Brothers, Ltd. These new ordinary shares would receive no dividend until the interest of 5 per cent. on the debentures, 6 per cent. on the preference shares, and 12 per cent. on the preferred ordinary shares had been paid. The reserve fund, which was at present 80,000l., would be increased by annual transfers from the profit-and-loss account of 10,000l. until it reached 100,000l., and afterwards by annual sums of not less than 5,000l. until it amounted to 200,000l., the figure of the existing debenture stock. The 150,000l. received from the new issue of ordinary shares would be invested in Lever Brothers' 15 per cent. preferred ordinary shares of 1l. each at par, the market value of this share in normal times being about 2½ 5s. The directors were anxious to secure the best methods of providing for the supply and demand for the company's specialities, and they now offered the shareholders the means by which these could be obtained. The connections of Lever Brothers were world-wide: this network of channels of distribution from their branches and establishments in foreign countries and Great Britain would open up a new-born development. Sir William Lever had specially stated that he was anxious that the employees of A. & F. Pears should continue exactly as heretofore, and that the business should be carried on as if this contract did not exist. The formal resolutions approving the scheme were unanimously adopted.

DAKIN'S ATHLETIC FOOTBALL CLUB (medium juniors) have a few vacant dates for home and return games. Secretaries of clubs connected with drug-houses and allied trades write to 82 Middlesex Street.

BANKRUPTCY REPORTS.

Re Herbert Alderson Smith, Manufacturing Chemist, 3 Boundary Road, Leicester.—This debtor was examined in Leicester Bankruptcy Court on August 14 on a statement of affairs showing gross liabilities 2,701*l.* 0*s.* 4*d.* (expected to rank 2,169*l.* 10*s.* 4*d.*) and assets *nil*. He admitted that his failure was largely caused by living beyond his income (latterly 250*l.* a year and commission as manager to H. A. Smith, Ltd.). The examination was closed.

Re Paul Maurice Villain, 14 Effra Road, Brixton, Analytical Chemist.—The first meeting of creditors interested herein was held at the London Bankruptcy Court on Wednesday, August 19. The debtor had failed in 1910, when the liabilities amounted to 1,100*l.*, against assets 75*l.*, and a discharge was granted to the debtor, subject to a judgment for 100*l.*, which was paid. He is now employed as chemist by a firm of perfumers at a salary of 400*l.* per annum. The present liabilities are estimated at 900*l.* and the assets at 59*l.* 15*s.* 4*d.* In the absence of any proposal, the case was left with the Official Receiver to be wound up in bankruptcy.

DEED OF ARRANGEMENT.

Segrave, Hy. Colbourne, trading as Segrave Bros., 175B Kentish Town Road, London, Medical Glass Manufacturer and Druggists' Sundriesman.—Trustee, A. C. Sudbury, 69 Bishopsgate, London, E.C., I.A. Dated, August 7; filed, August 12. Secured creditors, 88*l.*; liabilities unsecured, 2,014*l.*; estimated net assets, 1,103*l.* Assignment upon trust, etc., with a view to payment of a composition of 7*s.* 6*d.* in the pound within six months, or such extended time as the committee may allow. Among the creditors are Cresswell Bros., Ltd., London (17*l.*).

BIRTHS.

Authenticated notices are inserted without charge.

GRIFFIN.—At the Church Road Pharmacy, Weston-super-Mare, on August 12, the wife of Alfred Sercombe Griffin, chemist and druggist, of a son.

PENMAN.—At Colne, Lancs, on August 19, the wife of Dr. Penman, of a daughter. [Mrs. Penman is the daughter of Mr. John L. Smith, chemist, Salford.]

MARRIAGES.

Authenticated notices are inserted without charge.

FARDELL—RENOULT.—At St. George's Church, Paris, by the Rev. Cyril Hubbard, on August 13, Edgar Cooper Fardell (Pharmacie Anglaise des Champs Elysées, Paris) to Henriette, only daughter of the late Philip Jules Renoult, Paris.

HEYWOOD—COLTMAN.—At St. Hilda's Church, Halifax, on August 4, Sidney Heywood, chemist and druggist, Bury, to Ellen, younger daughter of Mr. J. W. Coltman, Rough Lea, Warley Road, Halifax.

KELMAN—THOMSON.—At Leitchton, Ayr, by the Rev. Wm. C. Duncan, on August 19, John Kelman, chemist and druggist, to Annie, eldest daughter of Mr. and Mrs. Jas. W. Thomson, Ayr.

SOMMERVILLE—GRAY.—At Struie Brae, Newport, Fife-shire, by the Rev. Dr. Watt, on August 12, Harold, youngest son of the late W. F. Sommerville, Fort Worth, Texas, and Mrs. Sommerville, Newport, to Ethel Mary, eldest daughter of Mr. John Gray, chemist and druggist, Dundee.

WELCH—TAIT.—At Meotta, Sask., Canada, by the Rev. J. M. Austin, on July 28, James Welch, chemist and druggist (of Messrs. Thomson & Taylor, Bombay), to Elizabeth Brown, daughter of Mr. and Mrs. John Tait, Meotta. [Home address, 45 Earl Grey Street, Edinburgh.]

DEATHS.

Authenticated notices are inserted without charge.

HARGRAVES.—At 101 Queen's Road, Oldham, on August 14, Mr. Henry Lister Hargraves, J.P., Ph.C., aged eighty-seven. Mr. Hargraves was a native of Oldham and the son of a chemist. He was in business in Manchester for some years before starting in Oldham, where Messrs. Granville Wood & Co. took over the business on his retirement. He was a Friend.

McMULLAN.—At Portrush, on August 15, Mr. Daniel Henry McMullan, 302 Springfield Road, Belfast. Mr. McMullan was spending his annual holiday at Portrush when he contracted septic poisoning, and passed away after three days' illness. Deceased served his apprenticeship with John Baxter, Ltd., chemists, Ballymoney, and was subsequently for seven years with Mr. W. J. Rankin, Waring Street, Belfast, representative of Blyton, Astley & Co., and Gustav Boehm. Three years ago he became Ulster representative of Messrs. Boileau & Boyd, Dublin. He leaves a widow and three children.

TRADE NOTES.

THE CHEMISTS' EXHIBITION, which was to have been held at Manchester on September 1, has been postponed until May next.

MESSRS. E. N. FRANKENSTEIN & Co., LTD., Ropemaker Street, Finsbury, London, E.C., insert a notice in this issue to emphasise the fact that the founders and all connected with the company—staff and shareholders—are British subjects.

STOCKTAKING.—**MESSRS. Burroughs Wellcome & Co.**, Snow Hill Buildings, London, E.C., will close their warehouses on Saturday, August 29, for the purpose of stock-taking. Emergency orders only can be executed on that day.

MESSRS. ALFRED WHITE & SONS, 28-31 Allen Street, Goswell Road, E.C., ask us to contradict a report that they are closing down on account of the crisis; on the contrary, they are extremely busy, owing to a sudden rush of orders.

DRUG LIST.—**MESSRS. C. R. Harker, Staggs & Morgan, Ltd.**, Devon Wharf, Mile End, London, E., have issued a revised price-list, but are unable to guarantee the prices on account of the abnormal condition of affairs and the very short supplies available.

ACROSYL.—This is the name of a saponified cresylic disinfectant of British manufacture which is placed on the market by the Acrosyl Co., Sutherland House, Lloyd's Avenue, London, E.C. The special features of Acrosyl are set forth in the advertisement in this issue.

THERMOGENE BONUS OFFER.—**The Thermogene Co., Ltd.**, Haywards Heath, in their advertisement state that next week they are going to make an announcement as to their bonus scheme. These advertisements will take the place of the circulars which the company usually distribute.

MESSRS. AYRTON, SAUNDERS & Co., LTD., 34 Hanover Street, Liverpool, inform us that owing to the exigencies of their business in the North of England they have transferred Mr. J. G. Duncan, their representative in Edinburgh, to Carlisle, in which town he has taken up his residence at 28 Peterill Street. Mr. W. H. Chambers, 121 Comiston Road, succeeds Mr. Duncan in Edinburgh.

PHOTOGRAPHIC CHEMICALS.—**MESSRS. Johnson & Sons, Manufacturing Chemists, Ltd.**, Cross Street, Finsbury, London, E.C., have issued a booklet which gives particulars of the photographic chemicals which they prepare. These include a number of photographic developers which are much in demand now that the supply of Continental synthetic developers has been cut off. The company have issued a new series of showcards in connection with their specialities.

"RAJAR SPECIALITIES" is the title of a booklet issued by Rajar, Ltd., manufacturers of films, plates, and papers, Mobberley, Cheshire. It deals with the photographic products made by the company, and is intended for distribution by photographic chemists. It is illustrated, and some of the pictures are attractive by reason of their technical interest. One, for instance, shows an enormous quantity of coated paper being dried. An enclosed folder gives details of the competitions open to photographers who use Rajar guaranteed goods.

"EVERSAFE" FEEDERS.—Messrs. F. Schutze & Co., Ltd., Black Bull Works, Caledonian Market, London, N., are advertising in this issue their "Eversafe" feeders. These are packed in cardboard cartons with two transparent teats. The teats are of the variety known as "anti-cholic," a pattern much appreciated. The carton in which the bottle is enclosed has printed upon it useful information regarding the normal weight of babies in the first twelve months, and also as to the proportions of milk, water, and cream which are best for food. Messrs. F. Schutze & Co. inform us that they are able to execute orders immediately and at normal prices, notwithstanding the increased cost of glassware generally.

WAR ANNOUNCEMENTS.—This week's issue contains the following special announcements in regard to supplies and prices during the war:

THE AIRTIGHT CAPSULES CO., LTD., 317, 318, and 319 Dashwood House, New Broad Street, London, E.C., state that there is no increase in the price of their Phoenix hermetical closure.

THE ANGLO-AMERICAN PHARMACEUTICAL CO., LTD., Croydon, announce that they have been compelled to advance the price of Huxley's syrup of acid glycerophosphates—the revised prices are given in the advertisement.

BIDWELL, BIDWELL & CO., LTD., Axminster, state that the price of their tooth-brushes has not been affected by the war.

BLYTON, ASTLEY & CO., Eagle Laboratories, Lower Broughton, Manchester, emphasise the fact that they are manufacturers of surgeons' rubber adhesive plaster, hospital strapping, and other plasters.

BURROUGHS WELLCOME & CO. print a price-list of English alkaloids and salts which they make at Dartford.

CORBEN, STACEY & CO., LTD., Branton's Wharf, Commercial Road East, London, E., refer to the rapid fluctuations in the markets, which have compelled them to withdraw their price-lists, but state that they will be pleased to quote prices on receipt of inquiries.

CUXSON, GERRARD & CO., LTD., Oldbury, have withdrawn their prices, but are prepared to execute all orders at prices compatible with the present situation.

THE FRAME FOOD CO., Standen Road, Southfields, London, S.W., announce that there is no shortage of Frame Food.

HORLICK'S MALTED MILK CO., Slough, have not changed the prices of Horlick's Malted Milk or Horlick's Malted Milk Lunch Tablets. The prices are detailed in the advertisements.

CHAS. ZIMMERMANN & CO. (CHEMICALS), LTD., 9 and 10 St. Mary-at-Hill, London, E.C., have made no change in the price of Lysol, which is manufactured in England, and the works are fully equipped to turn out any quantity required. Moreover, the manufacture is now under the analytical control of Mr. E. J. Parry, B.Sc., which is an additional advantage that the British-made article possesses.

S. MAW, SON & SONS, 7 to 12 Aldersgate Street, London, E.C., make "Maw's Page" reflect the optimism which is characteristic of this firm.

MR. R. J. REUTER, 6 Denman Street, Piccadilly Circus, London, W., thanks his numerous sympathetic friends who have written to him in regard to the false rumours referred to in his advertisement last week.

ROBINSON & SONS, LTD., Chesterfield, announce that they are the largest makers in this country of purple-flanged pill-boxes, and that the boxes are made entirely by automatic machinery.

THE SANATOGEN CO., 12 Chenies Street, London, W.C., give a view of their works in Cornwall, and state that their works there and in London are coping with the demand for Sanatozen and Formamint, which are supplied at the old prices.

THE STANDARD TABLET AND PILL CO., LTD., Hove, state that they are not altering their business policy during the time the map of Europe is undergoing alterations. Advances in price have only been made in cases of necessity.

THOMAS WAIDE & SONS, chemists' printers, Kirkstall Road, Leeds, announce that, notwithstanding the difficulties in

procuring supplies of paper owing to the war, they are in a position to execute orders promptly as hitherto.

SPECIAL PRICE-LIST.—The British Drug Houses, Ltd., Graham Street, City Road, London, N., have this week published a revised price-list of drugs, chemicals, and pharmaceutical preparations, consonant with the market changes that have occurred since the war commenced. We are pleased to learn from the managing director of the Houses that a large proportion of the articles are unaltered in price, galenicals generally are as they were, syrups are only about 1d. per lb. more, and wherever advances have been made the following statement tells the reason why:

"The advance in prices which we have made is limited to articles which the markets have advanced against us; in the very great majority of instances our list-prices remain unchanged.

The advance in prices of pharmaceutical chemicals has been fairly general—the influence of war operating in a variety of ways—while in certain notable cases it has been acute. Into the latter class fall particularly those goods which have hitherto been obtained solely from Germany.

Apart from German specialties, the supply of which will cease and which will therefore go out of use, at all events for some considerable time, there are a few cases of staple articles which seem likely to reach famine prices until other sources of production become available.

Generally speaking, however, prices seem for the present—to have become rather more settled, and anything like a panic in drugs appears to have been obviated by the policy, which we adopted from the outset, of refusing speculative business and of conserving stocks."

The managing director informs us that the circular which the firm issued to customers last week regarding the present position has reduced to almost *nil* correspondence regarding supplies and prices. The special edition of the price-list now issued is of service to panel chemists as giving the current prices for medicinal ingredients not specified in the Insurance Tariff, the Tariff prices of which are based, *inter alia*, on this list.

SCIENTIFIC PROGRESS.

Temperatures under this heading are on the Centigrade scale

Glucoside Changes.—J. Grager has shown ("Comptes Rendus") that the hydrolysis of amygdalin by emulsin, or by the digestive fluid of *Helix pomatia*, is the result of two connected fermentative actions involving the production of reducing-sugar and hydrocyanic acid respectively.

Otto of Rose.—The following figures have been published by Dr. N. Petkoff, chemist to the Bulgarian Government Laboratory, as representing the analyses of a series of samples of pure otto of rose ("Zeit. f. Off. Chemie," April 30, 1914):

	1	2	3	4	5	6
Sp. gr. at 25°	0.861	0.857	0.8535	0.861	0.8535	0.8585
Refract. No. at 25°	43.9	50.6	49	51.2	49	44.9
Rotation ...	-2.9°	-2.4°	-1.2°	-0.04°	-1.12°	-1.33°
Acid-value ...	1.7	1.9	1.4	1.4	1.1	1.4
Ester-value ...	10.4	9.5	8.68	9.45	8.3	10.9
Sap-value ...	12.1	11.4	10.8	10.85	9.4	12.3
Iodine-value ...	170.8	—	181.4	176.2	180.1	189.1

The following criticisms of these figures are necessary: The temperature at which the specific gravity is usually expressed is 30°, so that a deduction of about 0.0035 must be made from the above figures to make them comparable with those generally published. The refractometer numbers are quite empirical, and are never used for essential oils—these would have been more usefully determined as absolute refractive indices. In regard to the rotation figures, these are undoubtedly too low, as most pure otto of rose has an optical rotation of -3°, rarely below -2° 30', and it appears probable that the above values must have been determined with a transitive tint instrument, on which readings cannot be nearly so accurately determined as on the more modern half-shadow instruments. The iodine-values are of but little importance, as the slightest variation in conditions makes a very great difference in the results with essential oils. It is a pity that the figures which have a much more important bearing on the purity of otto of rose do not appear to have been determined. The relative amounts of geraniol and citronellol, together with the refractive index before and after washing with water, in order to demonstrate the absence or presence of alcohol, together with the characters of the stearoptene, will give far more reliable indications than the values rendered by Dr. Petkoff.

OBSERVATIONS & REFLECTIONS.

By Xrayser II.

Postponement of the Publication

of the new British Pharmacopœia is in the circumstances a wise step. I venture to think, however, that the volume might well be issued to the medical and pharmaceutical Press, to wholesale druggists and manufacturers, and indeed to whomsoever the publication is directly necessary in the way of business. All that it is needful to do is to postpone the date at which the Pharmacopœia comes legally into force. The interval would be well spent in getting price-lists that are in view for next year into shape, and in this way some of the time that is hanging heavy on the hands of those who at present have none too much to do could be usefully taken up, while manufacturers could have more leisure in which to get new preparations ready for the market. In the event of a supplement requiring to be issued as the result of the war, this could be delayed till near the date agreed upon.

The Increase in the Price of Drugs

has already excited comment in the public prints, and doctors are complaining of "needless" advances both in drugs and appliances. There are plenty of reasons why the price of drugs should not be raised unnecessarily, and these facts will reinforce them. The complaints to which I have referred come, no doubt, from men who are not acquainted with business, and are unaware of the extent to which we are dependent upon foreigners for the supply both of many manufactured drugs and of raw materials; and they hasten, sometimes unjustly, to fix the blame upon the houses with which they happen to deal. I suggest that every retail pharmacist should to the extent of his power make known the real facts to his customers. A good many people have the notion that drugs actually cost next to nothing, and that our profits are normally so large that a little increase in first cost is of no importance to us. We are, therefore, likely to incur more odium than the provision-dealer from an unexplained rise in prices, and it behoves us both to delay any such rise as long as possible, and to justify it when inevitable.

Our Dependence upon the Foreigner

for drugs we might produce for ourselves is scarcely creditable to us, and we may hope it will not continue. We are now to be thrown upon our own resources, with the result, I trust, that we shall find ourselves sufficient to ourselves in the time to come to an extent we have not been in the past. Sir Alfred Mond has been expressing his conviction that the war will in this way prove a blessing in disguise, both to manufacturers and to traders pure and simple. He suggests that where necessary the Government should for a time keep certain industries going, as it has "backed" the banks, so as to give them full power to benefit by this opportunity. The suggestion shows the importance Sir Alfred attaches to this crisis in our career as a business people. We cannot doubt that it is a crisis in our national existence itself which demands every effort we can make to free ourselves as much as possible from dependence upon foreign supply for the necessities of life, as well as to strengthen our hold upon the markets of the world. Is it too much to hope that Sir Alfred's suggestion will be adopted by the Government at least to the extent of "backing" panel chemists?

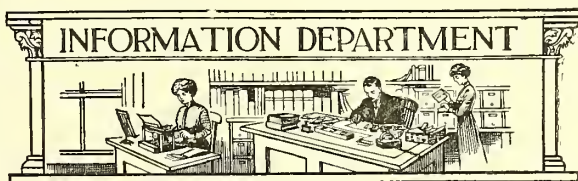
Judge Parry

has several times expressed at some length his opinion that the county court ought not to be used for the collection of tradesmen's small debts; indeed, he has declared that tradesmen should not let their customers run into debt, and that if they do they deserve to lose their money. He has not, however, told us precisely how we can avoid having small debts, and since coming to Lambeth he seems to have discovered that they are

unavoidable and may reasonably be sued for. I agree with him that the county court is about the last place in which a tradesman should be seen, whether as debtor or creditor, and I have never had recourse to it, except in cases in which fraud had evidently been intended. Even in such cases I have rarely got satisfaction, though I have never failed to get judgment. This is a very different thing, however, from getting the money, and I therefore agree the more heartily with the Judge when he advocates the prompt enforcement of payments. County court practice, in my experience, seems all in favour of the debtor; and unless one has a relish for judicial jokes, directed mainly against oneself, it is poor sport and worse business. Even Judge Parry's wit would not reconcile me to eighteenpence a month, with no certainty of getting it.

Veterinary Surgery,

according to the statistics furnished in your educational section, may be "decadent," but I am confident that there will always be a demand for veterinarians, and I am not sure that in course of time the numbers in the profession will not begin to move up again. There is a limit to the usefulness even of the motor-car, and that limit has almost been reached. A factor that will, however, have much greater influence on rehabilitating the demand for and the use of horses is fashion. When the car comes to be so common that practically everybody who is anybody has one it is fairly certain that "society" will go back to the horse—indeed, that tendency is, I am told, already making its appearance; wealthy men who can afford it going back to the horse for daily work, and only using the car for long journeys. It will be a great pity if an important and honoured profession has to find its livelihood by looking after pet cats and Pekingese puppies, and I firmly believe that a better future is in store. At the same time, the conditions to-day are not such as would warrant the screwing-up of the entrance examination still higher, as was tried at a recent meeting of veterinarians in London.



Postal Address:

C. & D. INFORMATION DEPARTMENT, 42 Cannon Street, London, E.C.

Telegraphic Address: "CHEMICUS CANNON LONDON" (two words).

Telephone Number: BANK 852 (two lines).

INFORMATION WANTED.

Postal or telephone information as to the names and addresses of the agents for or makers of the undermentioned articles is solicited. Please address as above.

- | | |
|---|---|
| 61/71. Dr. S. K. Burman's cure for asthma. | 60/21. Tunstall's wooden bandage-winders. |
| 61/72. Behrendorf's "Antiseptious." | 60/39. "Rasisix" safety-razor. |
| 62/59. Powder-dividing machines: manufacturers. | 61/60. "Kedine." |
| 62/43. "Swift" safety-razor. | 61/69. London and Paris Perfumery Co.: present address. |
| 62/69. "Mikado" corn-plaster. | 64/13. "Parlemol." |
| 62/70. "Tallianine": supply. | 64/130. Nazaline ointment. |

INFORMATION SUPPLIED.

Inquiries in regard to the following articles have been answered. The information will be given to others who send a stamped and addressed envelope for it to the above address.

- | | |
|---|--|
| Alabastine cream, 63/27 | Figgen, 64/3 and 60/39 |
| Barnes & Hille, Philadelphia (London agents), 58/69 | "Gem" water-still, 62/17 |
| Blenosan capsules, 63/27 | Glass-bottle manufacturers in America, 63/47 |
| Citric acid, English manufacturers, 60/63 | Mason's preserving-jars, 57/32 |
| | Soda-ash, 62/27 |

THE WAR

Enhanced prices are now in force for the following:

FORMALDEHYDE (all forms)
PERMANGANATE OF POTASH
SULPHUR CANDLES
FORMIC SULPHUGATORS
FORMIGATORS
FORMITAS OUTFITS
and certain other lines.

Full particulars on application to the
"Sanitas" Co. Ltd., Limehouse, London, E.

G. S. MUMFORD & SONS, FARRINGDON RD. LONDON, E.C.

Finest ARROWROOT	10 lb.	No. 1 Finest Pure FULLER'S EARTH (Light Colour)	15/cwt.
BICARB. SODA	13/cwt.	Finest Pure LIQUORICE JUICE	9 lb.
Finest Extra Special BORACIC ACID POWDER , Finest	37/cwt.	Finest Compound LIQUORICE POWDER	18 & 1/1b.
BORACIC ACID CRYSTALS	35/cwt.	"PYLITNA" POWDERS, 4 free boxes given with orders of 1 doz.; less 5% for cash with order if desired.	27/ per doz.
No. 1 Finest Pure CRUSHED LINSEED No Oil Extracted	30/cwt.	No. 1 Finest Light Pure PRECIP. CHALK	23/cwt.
No. 2 Pure CRUSHED LINSEED No Oil Extracted	29/cwt.	Finest Pure STARCH POWDER	28/cwt.
Best Cleaned LINSEED	30/cwt.	Finest Pure TOILET OATMEAL, SPECIAL	32/cwt.
EPSOM SALTS, E.S.S. Purified, Clean, and Dry Ditto. Medium Crystals	10/6 cwt. 11/6 ..		
FLOWERS OF SULPHUR , Finest English Ditto. Foreign	17/ cwt. 15/ ..		

Carriage Paid to railway stations within 20 miles of London (or allowance made for distances beyond). Terms less 25 per cent. Cash or 1 month net.

S.V.M. METHYLATED SPIRIT
Also RECTIFIED SPIRIT
S.V.R.
Jas. Burrough Ltd. D.I. Cale Distillery, Hutton Rd., LAMBETH, S.E.

DISEASES AND REMEDIES.

A concise survey of the most Modern Methods of Medicine written expressly for the Drug Trade by Physicians and Pharmacists. This treatise was first published as a part of THE CHEMIST AND DRUGGIST Library under the impression, which has been justified by experience, that it is of the utmost importance that Retail Chemists should be acquainted with Diseases as well as with Remedies, and that they cannot duly understand the latter without a knowledge of the former. Accordingly the book contains descriptions of human ailments from Abscess to Tapeworm. Each monograph Describes the Symptoms and is followed by Treatment. Supplementary to these concise monographs are: Surgical Hints, Poisoning and Treatment, Surgical and Medical Appliances, a Chapter on Dentistry for Druggists, and one on Sight-Testing. It contains 270 pages, and is published at 3s. net, by post 3s. 3d., from the Offices of "THE CHEMIST & DRUGGIST," 42 CANNON ST., LONDON, E.C.; or from any of the Wholesale Houses at the published price.

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CONCENTRATED
Sole Proprietors: FLETCHER, FLETCHER, & CO., Ltd. LONDON and Sydney. **LIQUORS**

Editorial Articles.

Making Fine Chemicals.

WE are glad to see that the lead we gave in urging that many fine chemicals not at present made in this country should be manufactured here is being taken up. We are well aware that the difficulties in the way are great; capital, experience, and plant are not, for example, the most readily obtainable things during war-time; and these are essentials in starting the branches of chemical-manufacture which the war has suddenly cut off from this country and the world generally. Nevertheless, the situation is with us and must be faced. Hence our notes in recent issues on the manufacture of acetanilide and antipyrin. This week we deal with a group of fine chemicals which are indispensable in modern therapeutics—viz., salicylic acid and some of its congeners. It is well known in the wholesale trade that attempts have been made to manufacture salicylic acid in this country, but the existence of letters patent prevented a perfect production, and the comparatively low price of the imported article made it impossible to manufacture here at a profit. British manufacturers have still to consider that possibility recurring; indeed, the fact that German industries are crippled does not make the way clear for a home market, because Holland and Switzerland are manufacturers as well as the Germans, and their competition is not eliminated. Nevertheless, the stimulus to home effort remains; we want to be equal with our neighbours in every department of business; the nation as a whole feels this, and the Government might be induced to assist—if not by direct financial help, at least by relieving fiscal conditions which are at present a bar to the production of synthetic chemicals. It is a scandalous business that the spirit-laws of the country entirely prohibit the production here of absolute alcohol, an essential material in chemical manufactures, although spirits containing between 96 and 98 per cent. of absolute alcohol are manufactured in large quantities. Fiscal relief in this matter should be afforded as soon as possible. An equally essential material in the manufacture of synthetics is a plentiful supply of methyl alcohol, and this also has hitherto been imported under fiscal disadvantages to the manufacturer. The question of supply is connected with this, all products of the destructive distillation of wood being Continental and American in origin and the supplies limited at present. These are typical of the difficulties which face chemical-manufacturers embarking upon new enterprises at any time, and which are now accentuated. Something more than individual enterprise is needed to start these new industries, the products of which are so much in demand; and it might be helpful if Sir William Tilden, who has served on Government Committees related to the matter, would give some practical indication of how manufacturing chemists could be relieved of such fiscal disabilities as we have referred to—how they could be assured of supplies of raw materials and of a profitable market when they produce the goods. Some Government encouragement and help should, in our opinion, be forthcoming at first, not necessarily in the way of trade protection, but certainly in making working possibilities freer than they are, and even by bounties, to ensure that manufacturers who may enter upon the work will do so with some hope of not being ruined. Guarantees have been given to shippers, and the same principle might be extended to chemical-manufacturers. Most of the London daily newspapers have during the week referred to the subject, and have contributed to create the necessary atmosphere which influences Government Departments, difficult to move in ordinary times.

Trading with the Enemy.

Its Limitations and Possibilities.

THE payment of just debts is a thing which every honourable man delights in. For the first time in the lives of most business men who have the wherewithal and the willingness to pay they are faced with the possibility that payment may be illegal in some cases. This is in consequence of the King's Proclamation relating to trading with the enemy (*C. & D.*, August 15, p. 34), which specially refers to relations between British subjects and persons in the German Empire. The terms of the Proclamation are somewhat involved, and they leave the impression on many minds that it is unlawful to have anything whatsoever to do with any German (who is not a naturalised British subject), and, aided by hyper-patriotic zeal, in some cases money due is not paid to them. To get at the truth of the matter we print an analysis of the Proclamation:

A General Prohibition is contained in the first paragraph, setting forth that it is illegal for

- A. Any person resident
 - B. " " carrying on business
 - C. " " being
- in the British Empire*
- (1) to trade with or
 - (2) have any commercial intercourse with
- Any person resident
- " " carrying on business
 - " " being
- in the German Empire*

without the King's permission. [A, B, and C are used in this article as brief equivalents of the "any person" lines. It should be observed that the nationality of the persons is not defined in any case—the business location or residence alone limits his powers as to trading.]

Specific Prohibitions as to goods, wares, or merchandise:

- A, B, and C in the British Empire
- (3) must not supply such to the German Empire, nor (3A) to A, B, or C in the German Empire;
- (4) must not obtain such from the German Empire, nor (4A) from A, B, or C in the German Empire;
- (5) must not supply such to any person for or by way of transmission to (5A) the German Empire, nor (5B) to A, B, or C in the German Empire;
- (6) must not obtain such from any person for or by way of transmission from (6A) the German Empire, nor (6B) from A, B, or C in the German Empire;
- (7) must not trade in such if destined for or coming from (7A) the German Empire, or (7B) if destined for or coming from A, B, or C in the German Empire;
- (8) must not carry such if destined, etc., as in 7, 7A, and 7B.
- (9) Relates to British ships and German ports.
- (10) Forbids (10A) new insurance contracts for the benefit of A, B, or C in the German Empire, and (10B) any payment to or for the benefit of such person in respect to war loss.

A, B, and C in the British Empire

- (11) must not enter into any new commercial, financial, or other contract or obligation with or for the benefit of A, B, or C in the German Empire.

Specific Permission is given for

- (12) any transactions, to, with, or for the benefit of A, B, or C in the German Empire, which transactions are (12A) not treasonable, (12B) not prohibited in this Proclamation or otherwise, and (12C) are lawful in time of peace (*i.e.*, "but for the existence of the state of war would be lawful").

Definition and Exemption.—

- (13) "Person" includes any body of persons.
- (14) The Proclamation does not apply to trading or commercial intercourse carried on from or by branches of business in other countries than the German Empire.

This analysis does not add to or exclude anything that is contained in the Proclamation, which presumably will also apply to Austria-Hungary. It is peculiar that not a single item in the Proclamation touches the question as to the payment of accounts for German goods pur-

chased in this country before the war and payable in this country. The General Prohibition does not make such payment illegal, for the acts 1 and 2 are localised, inasmuch as one of the two parties to any prohibited transaction *must be in Germany*. Specific Prohibitions 3 to 8 refer to dealing in goods *during the war*, not to payment of goods bought *before the war*. Acts 10 and 11 are the only clauses of the Proclamation in which the phrase "for the benefit of any person . . . in the German Empire" is used, and these refer to new contracts or obligations. Payment now for goods imported from Germany and delivered before the war is doubtless for the benefit of the person in Germany who made the goods, but the obligation is old, not new. Moreover, Specific Permission (12) covers the payments because they are lawful in time of peace, are not treasonable, and are not for the time being expressly prohibited. Whether they should be or not is another question. In this connection we quote the following paragraphs from "The Times" of August 17:

"We understand that a mistaken interpretation is being put by some of the bankers on the Treasury circular as to the banking accounts of alien enemies and the Proclamation in regard to trading with the enemy. In some cases persons who have long been naturalised in this country are being forced to produce their naturalisation-papers before being allowed to operate on their accounts. The possession of a German-sounding name is in many instances regarded by bankers as a sufficient reason for refusing facilities and applying the provisions of the moratorium in full rigour. Occasionally the Aliens Restriction Order has, it is said, been quoted by banks, without reference to the moratorium, as an explanation of refusal to honour a cheque.

"It may be pointed out that the persons with whom trading is forbidden by the Trading with the Enemy Proclamation does not necessarily include a German or Austrian subject resident in this country. The probabilities are strong that nearly all Germans and Austrians now in this country who are anxious to operate on their banking accounts are people to whom the banks ought to give as good banking facilities as they allow to their truly British customers. The main point is that no facilities should be given for remittances to Germany or Austria. There are a large number of British workmen directly interested in the grant of reasonable banking facilities to the German and Austrian clients of the banks, and it is contrary to the national interest that anything that is avoidable should be done to restrict the output of goods and the employment of labour in this country during the war."

This coincides with our own analysis and interpretation of the Trading with the Enemy Proclamation. The Board of Trade takes the same view. In a circular issued by the London Chamber of Commerce a series of questions and provisional answers are printed, the first three being as follows:

"1. War risks under c.i.f. contracts. Who is liable, buyer or seller?—Depends on custom of trade, and what is a reasonable insurance contract in the circumstances. Having regard to the usual form of Lloyd's policy, the presumption under ordinary circumstances is in favour of the buyers undertaking the risk.

"2. What are the limitations in regard to dealing with the subjects of alien enemies?—There must be no such dealings (except by his Majesty's licence) except that, if enemy subjects are allowed by the Government to remain in the territory of Great Britain or an ally, ordinary contracts for their daily subsistence and employment are probably permissible, and contracts in the ordinary way of business, involving no extensive operations which might lead to conflicts of national duty, are possibly permissible.

"3. Payments due by British firms to alien enemies. What position should be taken by British firms?—No such payments whatever should be made during war, except possibly in pursuance of contracts as above indicated."

The third answer, so far as it refers to payment to persons in the German Empire or carrying on business there, is correct. Any "alien enemies" who happen to be in the British Empire suffer certain disabilities,

including inability to sue for debts due to them, but we know of nothing which makes it illegal for debtors to pay such persons.

"The War and Business."

THE italicised words in the subjoined paragraph were omitted last week, p. 47:

"Inquiries have come to us in regard to the effect that the moratorium has upon *payment under* contracts; it merely suspends them until the date mentioned in the proclamation."

Patent-medicine Committee's Report.

A STATEMENT has appeared in a private circular to the effect that the Select Committee of the House of Commons on Patent Medicines has reported that it was unable to complete the report of the inquiry, and advising that the Committee should be reappointed next Session. This statement is quite without foundation, and appears to be a belated publication of a forecast of two months ago, when some members of the Committee had come to the conclusion that Sir Henry Norman would not be able to finish his report in time for consideration this Session. They were wrong, however; the report was not only completed by him, but it was fully considered by his fellow-members, the result of their deliberations being presented "in dummy" as a final and complete report to the House on August 4. We gave a full exposition of the Committee's recommendations in our issue of August 8, p. 49, and as none has appeared anywhere else, our exposition has been a distinct advantage to the trade, the war having delayed unduly the official publication. Owing to the extraordinary scarcity of printing-paper in the country, and the desirability of conserving the supply, many other Government reports which are ready for printing are being kept back.

Insurance Drug-Tariff.

FOLLOWING is the text of a letter sent by the Insurance Commissioners to Insurance Committees on Thursday, August 20:

National Health Insurance Commission (England),
Buckingham Gate, S.W.

SIR,—I am directed by the National Health Insurance Commission (England) to invite your attention to the following matter of urgent importance.

The Government have for some time had under their consideration the general question of the supply of drugs to the general population of the United Kingdom in the exceptional circumstances now prevailing.

While all necessary steps are being taken to prevent prices being artificially inflated by speculation and to promote in other ways a return, so far as possible, to normal conditions, it is clear from the information already available that in the case of certain drugs which are wholly or mainly exported from Germany or Austria some shortage is to be expected which will inevitably tend to raise prices.

In these circumstances representations have been made to the Commissioners to the effect that panel chemists would be bound to incur heavy losses if required to dispense at the current Tariff prices drugs which they may be unable to procure except at a large increase in cost to themselves owing to the abnormal war conditions. To these representations the Commissioners have given careful attention, and, while they desire to make it clear that it is not open, either to them or to the Insurance Committees, to revise the terms of the existing contracts during the period of their currency, they are in a position to announce that, as an extraordinary measure of relief, they are prepared to consider the question of providing for additional payments to panel chemists, over and above the sums due under the current contracts, in the circumstances and on the conditions set forth below.

In the first place it should be understood that any concession it may be found possible to make would not in any case apply to drugs which, for whatever causes, have advanced in price but little, or to an extent which is not beyond the range of ordinary market fluctuations, or to drugs which have advanced in price for causes independent of the present war conditions. These advances must be regarded as part of the ordinary risks and fluctuations to which contracts are subject; and any question of additional payments must be confined to the case of certain drugs shown to the satisfaction of the Government to have considerably advanced in price by reason of the war.

In order that definite information may be obtained as to the extent to which the enhanced prices of those drugs apply to the drugs actually dispensed by panel chemists under their contracts, the following arrangements have been made.

The Government are already in consultation with the importers and dealers on the one hand and with an Advisory Committee

representing the interests of wholesale and retail druggists on the other. Any drug to which in the opinion of the Government a special arrangement should apply will be scheduled as from a date stated, and the fact notified in advance in order that the information may be in the hands of panel chemists prior to that date. Current prices will then be settled from time to time in consultation centrally with the representative persons and bodies indicated above, and notified for the information of the panel chemists and other persons concerned.

As from the date upon which any particular drug is announced to be scheduled each chemist will be invited to keep (on a special form) a special record of the quantities of that particular drug contained in the panel prescriptions dispensed by him. This special record will be necessary for the reason that, in the first place, any additional payment would have to be calculated separately and on a different basis from the Tariff payments, and that separate accounts would therefore be required. Further, it will often be found impossible to fix current prices for any particular drug for some time subsequent to the date on which the special scheduling of the drug takes effect; and it would obviously, therefore, in any event be necessary for a record of the quantities dispensed to be kept pending the settlement of the enhanced prices according to which any special allowances would be calculated.

The method of using the form will, it is expected, be clear from the form itself. Upon the scheduling of a given drug the chemist will start a form or set of forms in respect of that drug, and will enter in the appropriate column, as and when he dispenses any prescription after that date containing the drug in question, the precise quantity of the drug prescribed by the doctor. The form will also provide for an entry of the ordinary Tariff charge in respect of the prescription itself, so as to avoid the necessity for the inclusion of such prescriptions in the forms of account usually sent to the Insurance Committee in respect of the ordinary Tariff charges. At such intervals as may be arranged later the special form or forms in respect of each scheduled drug will be totalled and forwarded to the Insurance Committee, together with the actual relative prescription forms. The Insurance Committee, after checking the forms with the prescriptions, will certify them and transmit them to the Commissioners.

On receipt of the forms the Commissioners will add an allowance for wastage, in addition to the actual quantities dispensed, in accordance with the method and principles upon which the current Tariff is understood to be framed. The total amount of each drug dispensed by each chemist (including the wastage allowances) will then be priced at a rate representing the difference between the prices upon which the Tariff rates are based and the current prices recognised for the period covered by the form.

It must be clearly understood that any extra payments which the Government may be in a position to make must be confined to those panel chemists who furnish the necessary particulars as set forth above. No chemist need furnish those particulars if he considers that the extra cost to him under his panel contract through the rise in price of the scheduled drugs is not worth the trouble involved in supplying the particulars, in which case he will, of course, enter the prescription in the ordinary form of account for the purpose of payment in accordance with the ordinary terms of his agreement.

[Then is given the list of drugs and statement printed on p. 33.] Panel chemists would be well advised, therefore, to keep a special record of prescriptions dispensed by them on or after that date containing any of the above-mentioned drugs, if they desire to take advantage of any special arrangements which may be adopted. Such records should be kept on the special forms only (Form Med. 39), a supply of which will be furnished to Insurance Committees for distribution by them to panel chemists at the earliest possible date, and pending receipt of such forms panel chemists should set aside any prescriptions of the nature indicated above for subsequent entry upon the special forms when received. As explained, the form of record for the purpose of the special arrangements will also serve as a form of account in respect of payments due on the Tariff terms, and prescriptions specially recorded should not also be included in the ordinary forms of account usually rendered to the Insurance Committee in respect of the ordinary charges under the chemists' agreements.

I am accordingly to request that you will be good enough to notify the chemists under contract with the Committee of these arrangements at the earliest possible moment in order that they may be in a position to take the necessary action upon the date above mentioned. Supplies of Form Med. 39 will be sent to you in bulk for distribution among panel chemists as soon as they are received from the printers.

I am, Sir, your obedient servant,

(Signed)

The Clerk to the — Insurance Committee. JOHN ANDERSON.

It is satisfactory to note that a beginning has been made in levelling-up the Insurance Tariff prices of articles which have become dearer in consequence of the war. There are more largely prescribed medicines which have gone up in price so much that it seems desirable that the prices given in the Insurance Drug Tariff should be advanced or cancelled forthwith. Among them are citrates, iodides, potash salts, and cocaine. Appliances might also be included in the cancels. The Commissioners might either fix new Tariff prices or leave the charges open so that panel chemists would apply the "third on cost" and other pricing rules. The official method for charging extra is somewhat ponderous.



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SATURDAY, AUGUST 22, 1914.

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WIMBORNE COAST.—Genuine unopposed Light Retail, in delightful district; returns about £500; has done much and could again; population 3,000; nice shop and house, garden; low rent; suit beginner, qualified or unqualified; desirous Chemist desiring partial retirement and mild climate; £200, or near offer. 215/5, Office of this Paper.

WIMBORNE YORKSHIRE (Colliery Centre).—A thriving Country Business; turnover nearly £900 per year, growing; no opposition opening for Optics and Dental; good profits; new stock; double-fronted shop, with house; lease; price £500, or near offer. Apply, 214/5, Office of this Paper.

WIMBORNE YORKSHIRE City.—Suburban high-class old-established; returns £1,300; an immediate purchaser liberally dealt with. Full particulars answered, 62/54, Office of this Paper.

ST OFFER accepted for an unopposed small Light Retail Business; net profits £3 10s. under unqualified; plenty scope for increase. 214/19, Office of this Paper.

DENTAL Practice (advertising); established 1 year; gross profits £200; steadily increasing; smart up-to-date man could easily manage; large district, near London; first-class position; handsome premises; every modern convenience; moderate inclusive price £150, including fixtures, fittings, and instruments, and accounts. "R. N. R." (212/11), Office of this Paper.

HIGH-CLASS Suburban Pharmacy; returns £1,150; net profit of average £300 verified by Accountants, stock having been sold yearly; fittings and ingoing £412; stock to be taken by auction; handsome shop, with good house, in main road; North-East of England. Apply, "Verified" (64/59), Office of this Paper.

Yorkshire Suburb.—Old-established Retail and Dispensing Business for Disposal; good-class N.H.I. Dispensing; ample for Side-lines, Photo, Optics, etc.; satisfactory reasons and particulars given to bona-fide cash buyers at personal interview with no agents. 214/22, Office of this Paper.

WIMBORNE modern Business, in residential part of busy town; good Dispensing and Photographic connection; increasing turnover last half-year at rate £1,600 per annum; last week £250; large house and garden; long lease; highly profitable; stocked; will bear closest scrutiny; price £800, or near offer. "Secure" (214/21), Office of this Paper.

WELL-STOCKED Business, in Lancashire town, showing good returns and scope for increase; almost unopposed; price £400, or valuation terms; full particulars given; a bargain to a worker. Apply, 216/6, Office of this Paper.

URGENT Sale.—Twelve Registered Trade-marks and Titles with Formulas, Designs and mode of Manufacture will be given away free to responsible firms; the whole business is in perfect working order; established upwards 10 years; consisting of Toilet lines and special Pharmaceutical Proprietaries; guaranteed genuine. Address, "Enterprise" (215/26), Office of this Paper.

BUSINESSES WANTED.

MANUFACTURING Chemists.—Wanted to Purchase, established Factory, Anilines or Fine Chemicals preferred; cash investment in good business might entertain. Principals only address full particulars to actual buyer (strictest confidence), "F. C. S." (213/18), Office of this Paper.

TO LET.

CHEMIST; just closed; established 30 years; handsome shop, convenient dwelling; good position; near Stratford Broadway; all fittings, fixtures, stock, etc., complete, ready for re-opening; rent £40; premium £50; an astounding bargain. Apply, Mr. Bacon (Landlord), 25 Liverpool Street, E.C.

FOR SALE.

CHANCE for a Bargain.—Second-hand National Cash Register for Sale; low cash price to realise; perfect condition. Write, "E. B.," 49 Northdown Street, King's Cross, N.

BOARD AND RESIDENCE.

STUDENT wishes to recommend Lodging, near Westminster and London College. 216/28, Office of this Paper.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

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RETAIL.

ABERDEEN.—Assistant required. Give particulars of experience, age, height, salary required, when disengaged, Hunter, Chemist, 111 Union Street.

BEACONSFIELD.—Wanted, a gentlemanly Junior, about 21 years of age, for a Dispensing business; outdoors; preference given to one who has served a regular apprenticeship in a good-class Pharmacy. State height and send full particulars, with photo, to Mr. R. W. Brooke, Chemist, Beaconsfield.

BRIGHTON.—Wanted, gentlemanly Junior, about 21, for modern Cash business, with Photography; very comfortable berth to willing man with good reference. Apply, stating age, height, references, and salary required (outdoors), to Burgess, Chemist, Preston Drive, Brighton.

CHESTER.—Wanted, qualified Assistant for Branch Pharmacy; accustomed to Dispensing and Light Retail. Apply, stating age, experience, references, with salary required (outdoors), to Thos. Carter, Pharmaceutical Chemist, 171 Boughton, Chester.

CHESTERFIELD AND NORTH DERBYSHIRE HOSPITAL.—Applications are invited for the post of Dispenser; salary £120 per annum; candidates must be fully qualified Chemists and Pharmacists; must have previous Institutional experience. Applications, with copies of three testimonials of recent date, must be delivered to the Secretary on or before the 25th instant. G. Sunnuck, Secretary.

CREWE.—Qualified Junior for Mixed Country business; hours 8 to 8.30, Wednesday, Friday 10, Saturday 11; no Sunday duty. Give full particulars and references and photo if possible, Galloway, Rexall Chemist. Also Junior Assistant for Manchester shop.

DOVER.—Junior Assistant for good-class Dispensing and Family trade. Please send full particulars, with age, height, and salary required (outdoors), to Mr. Ewell, Alexander Bottic & Co., Chemists, Dover.

HASTINGS.—Qualified Assistant, young, or thoroughly competent unqualified, 24 to 30 (indoors, four kept), as Dispenser; no Insurance; three weeks' holiday per year. Neve & Co. (Proprietor, Harold E. Skyrme), 12 Wellington Place, Hastings.

LIVERPOOL.—Junior Assistant; smart; well up in Dispensing and general shop work; reasonable hours; good references necessary; outdoors; give all particulars and salary required in first letter, and oblige; time for study could be arranged when the war is over. Apply, "M.P.S." (213/6), Office of this Paper.

LIVERPOOL.—Qualified Manager wanted; working-class neighbourhood; preference given to man who will eventually purchase business. Apply, "Capsicum" (214/35), Office of this Paper.

LONDON.—Good qualified Junior, with experience in West End preferred but not essential; must be quick Dispenser. Apply to "Ceratium," c/o S. Maw, Son & Sons, 7-12 Aldersgate Street, London, E.C.

LONDON.—Manager required for small Retail and N.H.I. Dispensing Branch; look-up shop; no Sunday duties. Letters, stating age, wages, etc., to 214/11, Office of this Paper.

LONDON, E.C.—Outdoor Assistant, principally for Dispensing; preference given to one having knowledge of foreign Pharmacy; easy hours; no Sunday duty. Full particulars of experience and salary required to Schacht, Warner & Co., 55 Fore Street, E.C.

LONDON, N.—Qualified Branch Manager (Junior kept); one recently qualified would suit. Apply, stating age, height, experience, and salary required (outdoors), to W. Burgess Dow, Pharmacist and Optician, 518 Hornsey Road, N.

LONDON, N.—Assistant wanted (outdoors), with good Dispensing and Counter experience; smart and capable. State full particulars and send photo if possible to F. J. Sandberg, 22 Regent's Parade, North Finchley, N.

LONDON, N.—Qualified Manager; outdoors; chiefly N.H.I.; permanency. Usual particulars in first letter, salary required, 214/3, Office of this Paper.

LONDON, N.—Wanted, immediately, capable unqualified Assistant; permanent if suitable; must have good references; state full particulars, experience, and salary required. Apply, 215/24, Office of this Paper.

LONDON, N.E.—Unqualified Assistant (outdoors), about 25, wanted for Light Retail business, with a little N.H.I. Dispensing. Please give usual particulars to 212/20, Office of this Paper.

LONDON, S.E.—Wanted, qualified Junior Assistant in Light Retail and Dispensing business; state age, experience, and salary required (indoors); an application from an unqualified Junior (with time for study) would be considered. A. Peel, 7 Half Moon Lane, Herne Hill, S.E.

LONDON, S.W.—Junior Assistant required near the end of August; one with good Dispensing experience essential. Apply, giving full particulars, to W. W. Brunton & Co., 240 Earl's Court Road, S.W.

LONDON, W.—Wanted at once, qualified Assistant (outdoors) for Dispensing Counter. Apply, stating age, height, salary required, with full details of previous experience, to W. Martindale, 10 New Cavendish Street, London, W.

LOWESTOFT.—A good reliable Junior wanted for Light Retail and Dispensing; indoors, comfortable home; no Sunday duty. Apply, with references and particulars, to Sale & Nurse, Pharmaceutical Chemists, 59 High Street, Lowestoft.

MANCHESTER.—Elderly qualified Chemist required; easy hours; work light. Reply, "Chemicus" (213/1), Office of this Paper.

MANCHESTER.—Qualified Assistant wanted at once; comfortable berth; good salary. State particulars, reference, etc., 214/34, Office of this Paper.

NORFOLK.—Qualified Assistant, about 24; accustomed to Agricultural business preferred; easy hours; weekly half-holiday and no Sunday duty. State salary (outdoors) and give references to H. G. Smith, Chemist, Downham Market.

ROYAL SUSSEX COUNTY HOSPITAL, Brighton.—Assistant Dispenser (male) required for September 5; he must possess at least the Minor qualifications of the Pharmaceutical Society, and be duly registered; salary £130, rising £10 annually to £150, with dinner provided daily; hours 9.30 a.m. to 5 p.m., with three hours' duty on alternative Sundays and Bank Holidays. Applications, stating age and height, with copies of testimonials and photograph, to be sent on or before August 29 to the Secretary, at the Hospital, from whom further particulars may be obtained.

S.T. LEONARDS-ON-SEA.—Junior (outdoors) for Dispensing and General Retail business. State age and salary required; Neve & Co., Pharmaceutical Chemists, Silverhill, St. Leonards.

WILLENHALL.—Required end of September, a reliable Junior Assistant, unqualified, 22 to 24 years, outdoors, for Dispensing and Counter; moderate hours. Apply, stating age, height, references, and salary required, to W. H. Walker, Chemist, Willenhall, Staffordshire.

WOODHALL SPA.—Qualified Manager wanted immediately for Branch; age 25-30; easy hours; good Salesman essential; excellent opportunity for a good man. Full particulars as to salary required, etc., to Maynard, Chemist, Horncastle.

YORK.—Required, for middle of September, a smart Junior Assistant; N.H.I. Dispensing and General Family business; no Sunday duty. Apply, with full particulars, stating age, experience, salary required (outdoors), with references and photo (to be returned), Saville & Sons, Pharmacists, York.

A N Assistant; outdoors; no Sunday duty; good references indispensable. Please state age, experience, salary required and when disengaged, T. Davies, Pharmaceutical Chemist, Porth Glam.

RESULTS
OF ADVERTISING IN THIS SUPPLEMENT
LAST WEEK AUG 15 1914

NATURE OF ADVT.	REPLIES
UNQUAL. ASSISTT	12
" " "	10
BUSINESS WANTED	10
MANAGER (MIDLANDS)	10
ASSISTT (CHINA)	10

This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding the letters to advertisers who prefer to be addressed o/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitability.

BE BRIEF BUT CLEAR.—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the material set before him.

ASSISTANT, unqualified or qualified; able to Extract and look after Dental business, take Impressions, etc.; immediate. Apply in first place, with particulars and photograph, to Lieut. Bowling, Angle, Pembrokehire.

ASSISTANT, qualified, required for Light Retail and Dispensing; indoors. State salary and usual particulars, enclose photo, J. Smithson, 1 Preston Road, Brighton.

ASSISTANT wanted, with good Dispensing and Counter experience; smart and capable. Apply, Messrs. Timothy White Co., Ltd., Chemists, Portsmouth.

CAN wait a month or two for good, reliable Senior Assistant; must be well up in Photography and good Window-dresser, for good-class Prescribing and Country business; hours easy; no after or Sunday duties; outdoors; not under 30; Junior kept. J. Griffith Isaac, Pharmacist, Neath, S. Wales.

COMPETENT Assistant required for Dispensing business; no Insurance work. Nathl. Smith & Co., Cheltenham.

DISPENSER (qualified) wanted; age not over 35; able to take photographs and to do clerical work; salary starts at £85 a year, rising by £2½ to £100; to live out. Apply, with full particulars, to the Medical Superintendent, Herts County Asylum, Hill End, St. Albans.

DISPENSER wanted, evenings, for three hours; North London. 215/27, Office of this Paper.

DISPENSERS.—A number of women Dispensers are required temporarily in connection with the pricing and examination of Chemists' Prescriptions. Applications, on foolscap paper, in the applicants' own handwriting, should state qualifications, experience, and age, and be accompanied by copies of not more than three testimonials, and forwarded addressed, 259/52, Office of this Paper.

ELDERLY registered man as Supervisor for small Private Company in the Provinces; share manership; hours and duties light; Extractor preferred; furnished rooms; comfortable home for steady married man seeking a permanency; undeniable references; moderate salary. Reply, "A. K." (215/22), Office of this Paper.

JUNIOR, accurate Dispenser, indoors, for September 1. Send photo, with full particulars of experience and salary required, Wing, 19 Walliscote Road, Weston-super-Mare.

JUNIOR Assistant wanted; Mixed, Retail, and Dispensing in the Midlands; easy hours; no Sunday duty. Apply, stating age, height, salary required, with photo, to Gibson, Chemist, Burton-on-Trent.

JUNIOR Assistant, about 20; indoors; practical knowledge of Photography, Developing and Printing. Apply, stating salary, experience, and recent reference, to S. T. Milbank, Pharmaceutical Chemist, Bishop Stortford, Herts.

LOCUM, registered; little required beyond supervision; elderly man of good character will suit; £3 weekly; for two weeks commencing August 24 or 31. Call or write, stating references and full particulars, to Manager, Desmond's, 203 Plaistow Road, Stratford, E.

MANAGER, qualified, for Branch business at once; Specialities and Prescribing. Apply, with full particulars, to "Rex" (216/33), Office of this Paper.

QUALIFIED Assistant, age about 23, accustomed to good-class Dispensing. Dyson & Co., 35 Gloucester Road, South Kensington, S.W.

QUALIFIED Branch Manager required by the beginning of October; one seeking a permanency preferred; house provided. State age, references, etc., to G. J. Lusher-Pentney, Pharmacist, 98 Queen's Road, Dalston, N.E.

QUALIFIED Assistant (permanency) wanted for a good Mixed Country business; outdoors; no Sunday duty; short hours; three others in shop; state age, height, reference, and salary required, photo if possible. Apply, Exors. of E. Booth, Crewe.

QUALIFIED Assistant wanted to manage Branch; N.H.I. Dispensing and Counter work. State age, salary required, two testimonials, to H. Mason, 5 Fleet Street, Pemberton, Wigan.

QUALIFIED Manager required for Family and Dispensing business; convenient house provided. State age, height, salary required, references, etc., and send photo if possible, to Holman, Bam & Co., 74 High Street, Exeter.

QUALIFIED Assistant wanted for a Mixed Retail and Dispensing business in Cheshire; no Sunday duty and weekly half-holiday; Junior kept. Please state age, references, and salary required to 215/20 Office of this Paper.

QUALIFIED Chemist wanted; light duties. Apply, 559 Commercial Road, E.

SMART Manager wanted for Suburban London business; live on premises; salary and share of profits. 216/22, Office of this Paper.

UNQUALIFIED Assistant, 25 to 30, accustomed to brisk Retail and Dispensing; hours 8.30 to 8.30; Fridays to 9, Saturdays 10; closed Wednesdays at 1; no Sunday duty; outdoors. Particulars of previous experience, age, height, salary, and references to Managing Director, Hodders, Ltd., 5 Nelson Street, Bristol.

UNQUALIFIED Junior (outdoors), or one requiring time for study; Light Country Retail, N.H.I. Dispensing. Apply, giving references, age, salary required, and when at liberty, 213/7, Office of this Paper.

WANTED, reliable unqualified Assistant; married or single; indoors or outdoors; one seeking a permanency preferred; must have good references; age not under 30; good prospects for suitable man; give fullest particulars in first letter; applications not answered in three days respectfully declined; Welsh not essential; pleasant district. Thomas, Pharmacist, Treharris.

WANTED, by September 7, Senior Assistant for small Retail and Dispensing business; Minor qualification; easy hours. Apply, stating full particulars, salary required (indoors), references, etc., to F. Tunbridge, 39 Castle Street, Reading.

WANTED, an elderly qualified man to conduct a widow's business with the help of an assistant; very light duties, comfortable home, and nominal salary. 214/13, Office of this Paper.

WHOLESALE.

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SHORTHAND-TYPIST (male); age 21-25; must be quick and accurate and have a knowledge of the Drug trade. Apply, "H." (215/39), Office of this Paper.

TABLET Compressing and Coating.—Smart man wanted by North Country house. Fullest particulars of experience, salary required, age, etc., to "Ozone" (214/1), Office of this Paper.

TABLET Coater required; permanency. State, in confidence, age, experience, wages desired, references, and usual information, Timothy White Co., Ltd., Portsmouth.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for 50 words or less; **6d.** for every 10 words or less beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

BOMBAY.—Qualified Assistant wanted for a first-class private British firm of Chemists; age not over 30; three years' agreement; salary £200 first year, £220 second year, £240 third year; passage paid out and home by P. & O. steamship. Apply, with copies of testimonials and photo, to "E. L." S. Maw, Son & Sons, 7/12 Aldersgate Street, London, E.C.

BRITISH EAST AFRICA.—Clerk, with experience of ordinary bookkeeping, costing out, correspondence, and with knowledge of Drug trade; age about 24; single; capable and not afraid of work; three years' agreement; second-class passage; progressive salary commencing at £180. Apply, with full particulars and references, to "F. 111," c/o Tozer, Kemsley & Fisher, Ltd., 84 Fenchurch Street, London, E.C.

AN English qualified Assistant Chemist wanted, knowing International Pharmacopoeia, speaking and understanding Italian; permanent appointment. Write, stating age, salary required, to the Anglo-American Supply Stores, Ltd., Via Cavour, Florence, Italy.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every
10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

[HOME.] RETAIL.

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ASSISTANT; excellent appearance; good Salesman; soon disengaged; Liverpool preferred, Manchester suit. 212/8, Office of this Paper.

ASSISTANT; 34; single; best experience Dispensing, Counter, Window-dressing. Nicholson, 27 Kingsfield Road, Southampton.

ASSISTANT; 27; outdoors; West End, South Coast experience; excellent testimonials; London preferred. G. A. Volzey, 9 Jameson Street, Notting Hill Gate, W.

ASSISTANT; exceptional high-grade modern experience; splendid Prescriber; Dispenser; keen Salesman; 27; married; unqualified; energetic, reliable; excellent references. "W. H. C. N.," 21 Bath Street, Huddersfield.

ASSISTANT; 25; experienced; Store and Family trade; good Dispenser; Scarborough district preferred. 215/17, Office of this Paper.

ASSISTANT; age 40; all-round experience; disengaged; wage 35s. 215/2, Office of this Paper.

ASSISTANT (20), good experience and testimonials, desires Part-time; South preferred; disengaged October. Apply, "M.," 25 Devonshire Road, Bexhill.

ASSISTANT; Dispenser, Counter; Birmingham district; trustworthy. "Assistant," 191 Dudley Road, Birmingham.

ASSISTANT, 24, good appearance and address, desires Part-time; evenings or morning preferred; good references; accurate Dispenser; near West End preferred. 64/33, Office of this Paper.

BERTH required, early in October, by Minor Student, part-time or otherwise; middle-aged, single, abstainer; Hall certificate. "Willing" (213/10), Office of this Paper.

CHEMIST (Major) wants post. Full particulars, "Chemist," 1 College Road, Ripon.

CHEMIST-OPTICIAN, with full qualifications and experience, is open for engagement in good Pharmacy or Store for Dispensing and Optical work, or as Sight-tester only. Apply, 209/23, Office of this Paper.

CHEMIST'S Assistant, 25, desires situation as Junior Assistant or Improver in Dispensing business; accustomed to N.H.I. Dispensing; wages required £40 a year indoors, or 32s. weekly outdoors. 210/27, Office of this Paper.

COMPETENT Locum; experienced Counterman, Window-dresser, and Dispenser; thoroughly versed in modern business methods; disengaged September 14. "Energetic" (214/20), Office of this Paper.

DISENGAGED; Locum, any period; thoroughly competent, reliable; town or country; all-round experience; good testimonials; terms moderate. W. Davis, 214a The Grove, Hammer-smith, W.

DISPENSER, qualified (London Apothecaries' Hall and N.H.I.), desires permanency with Medical gentlemen or Institution; thoroughly experienced; excellent testimonials; personal interview preferred. Lloyd Smith, West Farleigh Vicarage, Maidstone, Kent.

DISPENSER; whole or part time; good experience. "Dispenser," 58 Malvern Road, West Kilburn.

DISPENSER, qualified, experienced; near London. Miss A. Kennedy, Shalbourne, Hungerford, Berks.

EVENINGS only; London; Assistant; Counter or Dispensing; 7 years' valuable experience. Howitt, Cavendish Road, Leicester.

EVENINGS; qualified; 25; good references. "Yukon," 40 Market Street, Falmouth.

EVENINGS.—Lady Dispenser (Hall), experienced, knowledge Shorthand, Bookkeeping, Insurance Pricing, requires evening work at Surgery, Institution, or shop. "A.," 57 Oxford Terrace, Hyde Park.

EVENINGS; experienced; Insurance Dispensing, Counter, Stock and Books. 115 Scott-Ellis Gardens, N.W.

EXPERIENCED unqualified seeks engagement as Senior or Dispenser; 25 years' experience; married; good references. "H.," 45 West Brampton, Newcastle, Staffs.

EXPERIENCED, qualified, single man (41), not in good health, but active, seeks permanency in useful capacity at moderate terms. "Useful" (214/7), Office of this Paper.

HOSPITAL Locum; qualified (Minor and Hall); thoroughly experienced and reliable; abstainer. "Metropolitan" (216/21), Office of this Paper.

JUNIOR; 4 years' high-class experience Dispensing and Retail. "Statim," 85 Langney Road, Eastbourne.

JUNIOR (20), good experience, requires situation in good-class business. 213/34, Office of this Paper.

LADY Dispenser (Hall); thoroughly experienced; Doctor or Chemist. "D. G.," 12 Salisbury Road, Worthing.

LADY Dispenser (Hall), experienced, knowledge of French and German, requires post. 214/26, Office of this Paper.

LADY, qualified, desires situation as Dispenser in Pharmacy, Surgery, or Institution. 216/01, Office of this Paper.

LOCUM, qualified; varied experience; reliable; excellent references. "Chemist," 5 Fielding Road, West Kensington.

LOCUM; 30; qualified; disengaged September 2. "Chemist," 9 Radnor Street, Plymouth.

LOCUM, qualified; reliable, experienced; disengaged. 12 Tyrwhitt Road, Brockley, St. John's, S.E.

LOCUM, qualified; 39; disengaged 29th; best references. C/o 66 Week Street, Maidstone.

LOCUM, qualified; 49; first-class experience and references; disengaged September 14. Dewey, Ellisson's, Chemist, Hednesford.

LOCUM, unqualified; 35; disengaged 22nd; thoroughly experienced. Dewar, 122 Cumberland Road, Plaistow.

LOCUM-TENENS; reliable, efficient; few vacant dates. Apply at once, I. Lloyd Jones, M.Ph.S., Anglesey House, Llanrwst, N. Wales.

LONDON; 14 years' experience, Counter, Dispensing (including N.H.I.); capable; 33; unqualified; permanency. "Alert" (215/11), Office of this Paper.

MANAGER or Locum; qualified; disengaged; town or country; references most satisfactory. "Aspirin," 10 Comyn Terrace, Queenborough, Kent.

MANAGER (registered); just sold business; Prescribing, Mixed; Notts preferred. Address, "D.," 17 Whitehead Road, Aston, Birmingham.

MANAGER, Locum; Major; 43; experienced; good Dispenser, Prescriber, Photography; disengaged 29th; good references; outdoors. "T.," 95 East Ferry Road, Poplar, E.

MANAGER (branch having been sold) seeks similar berth; experienced Prescriber and good Salesman; Apothecaries' Hall qualification; 36; married; permanency desired; excellent references. "Statim" (215/21), Office of this Paper.

MANAGER or Locum; qualified; 29; married; experienced; capable and conscientious; exemplary references. "Disengaged" (213/280), Office of this Paper.

MANAGER or Locum; qualified; exceptionally good all-round experience; excellent references; disengaged; reliable. "Aspirin" (216/31), Office of this Paper.

MINOR man, age 25, seeks position as Manager or Assistant; outdoors; tall, gentlemanly; best references; disengaged shortly. 214/16, Office of this Paper.

ONE day weekly (Tuesday); excellent worker; distance immaterial. "A. B.," 153 Copenhagen Street, N.

PART-TIME; morning or evenings; qualified; abstainer; 40. "Bell" (214/15), Office of this Paper.

PERMANENCY; 39; married; abstainer; moderate salary; first-class experience; qualified; personal interview; highest references; disengaged; Midlands preferred. "Pharmacist," 19 Foleshill Road, Coventry.

PHARMACIST (lady) desires engagement; highest references. "Drugs" (65/370), Office of this Paper.

QUALIFIED; young; energetic and reliable; Manager or Senior; all-round experience; disengaged shortly; London or Suburbs preferred. Apply, 212/34, Office of this Paper.

QUALIFIED; married; 27; Manager or Assistant; capable, trustworthy, energetic; London excepted; permanency. Colley, 80 Leicester Street, Leicester.

QUALIFIED, single, 31, requires Managership with good prospects; splendid London and Provincial experience; undeniable references; thorough attention given to business; first good offer accepted; free September 23. "Sanatogen," The Yuccas, Holt, Norfolk.

QUALIFIED (29) desires engagement, end September; Manager or Senior; excellent Dispensing and Retail experience; Photography. Stott, 35 High Street, Weston-super-Mare.

QUALIFIED; 27; Manager or Senior; all-round experience; 3 years' West End; abstainer; disengaged September. "J. M.," 103 Alderney Street, South Belgravia, S.W.

QUALIFIED; 25; disengaged; West-End experience. "Radix," 50 Foxley Road, Brixton, S.W.

QUALIFIED; Branch Manager; 31; experienced, reliable; excellent references; provincial town preferred; outdoors; married. "Chemist," 56 Buckingham Road, Margate.

QUALIFIED; elderly; active; moderate hours; near London. "Spes," 35 Paddington Street, Marylebone.

QUALIFIED; 16 years' varied experience; shortly disengaged; single; outdoors; Senior or Branch Manager; well recommended. Stansfield, 76 St. Albans Road, Watford.

QUALIFIED; Manager; 43; married; disengaged; outdoors; Prescribing, Extracting, Photography, Dispensing, Counter; control staffs; highest references; long engagements. Jennings, 51 Tower Street, Dudley.

QUALIFIED (Minor); Locum or permanency; town and country experience; good business abilities and references; mart Counterman; married. "Manager," Smith, Scalesceugh, Carlisle.

QUALIFIED; elderly; active; single; best experience, good class business; moderate salary; reasonable hours; outdoors; manage with assistant or assist principal; London, W. or N.W. Hampstead district preferred; disengaged end of September. 214/40, Office of this Paper.

QUALIFIED; 30; good all-round experience, Counter, Dispensing, N.H.I., etc.; disengaged August 22. "Salol" (213/23), Office of this Paper.

QUALIFIED; 42; single; permanency; terms moderate; good varied experience. "Insurance," (214/70), Office of this Paper.

QUALIFIED; Locum, permanent; Branch or otherwise; 44; experienced London and Provinces; disengaged. "Abrastol" 216/7, Office of this Paper.

QUALIFIED requires Managership or other responsible post; first-class experience. "Nune" (65/37), Office of this Paper.

QUALIFIED Chemist, experienced Dental Operator, desires Part-time position, about three days weekly; London essential. 16/27, Office of this Paper.

QUALIFIED; 37; single; Manager or Assistant; outdoors; 17 years' English and Continental experience; excellent references; fluent French, German, Italian. "Bachelor," 117 Warwick Street, Pimlico.

RELIABLE and resourceful, active, retired Chemist, with all-round up-to-date experience, seeks responsible outdoor position, or Locum or relief work; London preferred. J. J. Chapman, h.C., 114 Ivy Road, Cricklewood.

ROGERSON, Cunliffe Terrace, Bradford; 44; qualified; Locum; district preferred; no single-handed; disengaged.

UNQUALIFIED; Scotch; 21 years of age; good all-round experience; at present in well-known Scotch Pharmacy; desirous change; seaside preferred. 213/21, Office of this Paper.

UNQUALIFIED Assistant; 21; Photographer; experienced; Leeds-Bradford district. Jowett, Fipkhill, Horsforth, Leeds.

UNQUALIFIED; 38; tall; Photography; Locum or permanent. Howes, 15 Hexthorpe Road, Doncaster.

UNQUALIFIED; first-class experience all branches; 31; tall, sober, reliable; excellent references; Manager or Locum; disengaged August 26. "Rexall," 76 Bath Street, Ilkeston, Derbyshire.

UNQUALIFIED; 33; tall; first-class Dispenser and good Counterman; Photography; entire charge. P. G. Abraham, 132 George Lane, Lewisham, S.E.

UNQUALIFIED; Locum; permanency; 36; married; experienced; good references. Bottomley, Bell Hall, Halifax.

UNQUALIFIED; Counter, Dispensing, and N.H.I., Extractor; single; country and town experience. "Calcium" (214/24), Office of this Paper.

UNQUALIFIED; 32; neat, accurate Dispenser; experienced; energetic and reliable; suitable for classes. Apply, 214/12, Office of this Paper.

UNQUALIFIED, age 44, requires post as Manager, Dispenser, etc.; good all-round experience; very active and good Salesman. "L. G." (214/32), Office of this Paper.

WHOLE or part time berth required by unqualified; 32; married; good all-round experience; Extractor; state salary; disengaged October 1. 214/35, Office of this Paper.

WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

CHEMIST wishing to further the interests of his Manager, strongly recommends him to a good firm as Representative for whole or part time, former preferred. 216/1, Office of this Paper.

CLERK, 12 years' Wholesale experience, desires position as Representative, whole or part time. 216/23, Office of this Paper.

IF you want a live Representative and a worker, East, South, or Midlands, write Herbert, 38 Richmond Road, Bayswater, W.

MR. J. H. RICHARDS, for the last seven years Traveller for Messrs. P. Beiersdorf & Co., will be shortly disengaged, owing to the war; has travelled England, Scotland, Ireland, and Wales, and specialised in opening new accounts. Address, 11 Mellor Road, Prenton, Birkenhead.

PACKER; Drug Stores or Wholesale Druggists; female; experienced. "M.," 46 Whyteville Road, Forest Gate.

PHARMACIST, speaking French and German, knowledge Bacteriology, Fine Chemicals, etc., willing to travel Switzerland; 17 years' British, foreign experience. 215/40, Office of this Paper.

PHARMACIST (29), with 12 years' varied Retail experience, desires responsible position with Wholesale house. "Therapeutist" (213/28), Office of this Paper.

REPRESENTATIVE, experienced, desires to Represent good house, Drug or Sundries, London or Provinces; excellent references. B. Keogh, 28 Chesterfield Gardens, Harringay, N.

SURGICAL Instruments, Rubber Appliances.—Young, energetic British Traveller, having represented large German Factory on the Continent and England, with sound connections amongst Druggists' Sundriesmen, Instrument Makers, high-class Chemists, wants situation with British or American firm; highest references given. 216/2, Office of this Paper.

TRAVELLER, experienced, desires to Represent good house; Drugs or Sundries; sound connection. 216/26, Office of this Paper.

SITUATIONS WANTED.

(Colonial, Indian and Foreign.)

1s. for 12 words or less; 6d. for every 10 words beyond, prepaid. The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies or elsewhere abroad.

AFTER the war there will be an exceptional opportunity for British goods in France and Belgium; Englishman, at present in London, with office in Paris, telephone, etc., good connection, and seven years' Continental experience, desires to make arrangements to Represent good firm as soon as peace is declared. 211/30, Office of this Paper.

MISCELLANEOUS.

MADAM & TUCKNISS, Sharedealers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone 81 Lee Green.
Shares for Sale (free of commission, subject).—200 British Oil Cake Ordinary, 14s. 3d.; 215 Lewis & Burrows 6 per cent. Preference, 12s. 6d. (full year's dividend due November); 150 Ordinary, 5s. 6d.; 50 Ilford Ordinary, 14s. 10½d.; 100 St. Ivel 6 per cent. Preference, 16s. 7½d.; 30 Ordinary, 4s. 7½d.; 100 Union Cold Storage 6 per cent. Preference, 21s. 7½d.
Wanted (subject).—120 Wright Layman Preference, 20s. 9d.; 120 Camwal Preference.

List of Shares for Sale and Wanted sent free on application.
Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

SECOND-HAND Chemist's Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, **RUDDUCK & CO.**, 262 Old Street, London, E.C.

SHOWCASES.—TO SEASIDE PHARMACISTS.—Several all-glass Counters, Silent Salesman, and other money-making Showcases, second-hand and in excellent condition, ready for immediate despatch; genuine bargains; these cases make fresh business every time a customer calls. Write for particulars, **PHILIP JOSEPH & SONS, LTD.**, 93 Old Street, London, E.C.

BEST cash price for all old Cameras, any make, also all old Photo goods, no matter how damaged; any kind you may have send them along; cash will be sent same day; no waiting; we buy all and return nothing. **S. E. Hackett**, 23 July Road, Liverpool, E.

FACE THE QUESTION

OF THE SELLING POWER OF YOUR WINDOW.—DOES IT PAY?

IF NOT—THEN SECURE AN INCREASE OF TRADE.

Send P.O. 1/10, Name of TWO PREPS. of 15 Words each, and secure TWO of our LATEST DISPLAYED CARDS, size 15 x 10 and 12 x 9, sent CARR. PAID, and prove for yourselves THEIR SELLING POWER.

F. MERTEN & CO., 72 Marlborough Rd., HOLLOWAY, LONDON, N.

A POPULAR SPECIALITY

A ready seller, to appeal to everybody during the War is what you require. I have one ready, a necessity. Formula, instructions, copy for advt., label, 6/- This and my Egg Producer, one of the best (also a necessity) will help you to get more trade than ever, and become good lines. See last week's advt. Egg record to date 738. For a u. & c. 6/-. This week only, both ideas 7/6. Note—I can only supply one pharmacist in a district and early application is requested. New ideas for Specialities, window centres, displays are my speciality.

BILLYARD ALLISON, PHARMACIST, RETFORD.

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.
No advertisement inserted for less than 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box number being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

FOR DISPOSAL.

BOOKS AND PERIODICALS.

"CHEMIST and Druggist," March 1913 to July 1914; what offers? 21s/4, Office of this Paper.

DRUGS AND CHEMICALS.

WHAT offers? 50 oz. cocaine, hydrochlor. (Boehringer); 20 lb. potass. bromide; small quantities supplied. Furness, Ansdell. CHAMELEON oil; 1s. 1½d., 2s. 3d.; new condition: offers wanted for a quantity. Dunning, Chemist, Wheeler Street, Birmingham.

PROPRIETARY ARTICLES.

36 boxes Amami shampoo, with 36 pots Amami cream free; what offers? Bangh, Ongar.

WANTED.

BEAKERS, flasks, and chemical glassware wanted. State all particulars, quantity, and price to 212/9, Office of this Paper. "BRITISH Pharmaceutical Codex"; wanted at once, second-hand copy. State price to Coley, 1 Paper Buildings, Temple.

OPTICAL books; Minor, Major, Ophthalmists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, London, S.W.

Proprietary Foods for Infants.

THE Local Government Board has just published a report on the use of proprietary foods for infant feeding by Dr. F. J. H. Coutts, containing also a report on the analysis and composition of some proprietary foods for infants by Mr. Julian L. Baker, F.I.C. Samples of infants' food obtained in various parts of the country were examined as to the presence of starch, the extent to which starch conversion takes place on mixing the food according to the directions, the nature of the cereal, and the presence of active diastase. Among the foods examined were several "own-name" brands, and the vendor's claim to be the sole proprietor of foods which are identical in composition and package is condemned by Dr. Coutts. He states that the retailer can have little knowledge of the article he is selling, often with very laudatory statements as to its value in the letterpress accompanying the packages. The sale, he adds further, is in many cases "a very lucrative proceeding," as the foods are relatively dear in comparison with ordinary wheat flour, from which many differ in composition only to an insignificant extent. Mr. Baker's analyses are anonymous as regards the food examined, but the wording of the labels which is quoted will probably be sufficient for the makers to identify the foods. In regard to the analyses Dr. Coutts states that the composition of proprietary foods is changed from time to time, his evidence being the disparity between different analyses. This belief in the infallibility of analysts, which was much in evidence before the Select Committee on Patent Medicines, is becoming quite a fetish. It is as well to emphasise the fact that analyses of complex vegetable mixtures are relative and not absolute. Putting aside the obvious fallacy of the argument Dr. Coutts adduces from the analyses given, the report is distinctly useful as a classification of infants' foods, and contains some excellent analytical work.

Trade-marks applied for.

(From the "Trade-marks Journal," August 5, 1914.)

"MULTIMIST"; for an atomiser (11). By C. J. Hewlett & Son, Ltd., 35-42 Charlotte Street, E.C. 361,937.

"BOV-NO"; for a vegetable flavouring-extract (42). By the Eustace Miles Proteid Foods, Ltd., 40 Chandos Street, W.C. 361,227.

"MILKARINE"; for an animal-food (42). By the Sugar Fodder Co., Ltd., West Ferry Road, Millwall, E. 361,982.

"HAMMOCK," with picture of man carried in same, for goods (47); "SUNDIAL," with picture of same, for perfumery, etc. (48). By Lever Bros., Ltd., Port Sunlight, Cheshire. 360,745, 361,768.

"TROPHY," for goods (47); "FESTOON" and "FILLIGREE," for perfumery, etc. (48). By C. Thomas & Bros., Ltd., Bristol. 362,213/19/20.

Picture of fox chasing birds; for perfumery, etc. (48). By Compagnie Française de l'Afrique Occidentale, 32 Cours Pierre Puget, Marseilles, France. 358,444.

"SANTALIA" and label device including words "ESSENCE SANTALIA"; for perfumery, etc. (48). By Gallet, Pellerin et Cie, 38 Rue Hauteville, Paris. 361,331/2.

"ELLIPTINE"; for all goods (48). By D. H. Elliott, 9 Park Way, Liverpool. 361,890.

"CHRISOPHAL"; for hair-preparations (48). By W. E. Bingham & Co., 47 Shudehill, Manchester. 362,103.

"CONUTOL"; for toilet-preparations (48). By Sangers, 258 Easton Road, N.W. 362,133.

Portrait of applicant; for a hair-restorer (48). By J. Howard, 9 Station Avenue, Coldharbour Lane, S.W. 362,187.

"MANUPUR"; for a paste for cleaning the hands (48). By N. Sachter, 16 Great Russell Street, W.C. 362,294.

"MONUMENT"; for fire-extinguishing powder (50). By Fireproof Doors, Ltd., 46 King William Street, E.C. 361,182.

"RADAR"; for polishes, etc. (50). By J. C. Galletly & Co., 60 Campbellfield Street, Glasgow. 362,238.

Insurance Act Dispensing.

A Weekly Record of events and decisions concerning Chemists' interests in Medical Benefit administration and practice.

Reports from Local Centres.

With special reference to the supply of medicines and appliances. See also Association Affairs.

General.—"The British Medical Journal" (August 15) gives the following classifications of medical practitioners as on July 20, 1914:

Panel and Non-panel Practitioners.

—	Panel	Non-Panel	Totals
England	11,825	12,441	24,266
Wales	901	506	1,407
Scotland	1,796	2,020	3,816
Totals	14,522	14,967	29,489

Non-panel Practitioners.

—	In General Practice	Not in General Practice	Totals
England	3,818	8,623	12,441
Wales	188	318	506
Scotland	416	1,604	2,020
Totals	4,422	10,545	14,967

Those not in general practice consist of retired practitioners, those in the services, whole-time medical officers of health, school medical officers, tuberculosis officers and resident medical officers of various kinds, those engaged in whole-time teaching, and specialists and consultants.

ENGLAND.

Bedfordshire.—At a meeting of the Insurance Committee on August 12 a letter was read from Luton chemists stating that it had become impossible to supply drugs, bandages, etc., at Tariff rates, and asking the Committee to give the matter immediate consideration. It was agreed to inform the Commissioners of the position, adding that, in the opinion of the Committee, the request was most reasonable. It was reported that for the past half-year there was an increase of 1,200*l.* in chemists' accounts. Representatives of the Panel and Pharmaceutical Committees are to be invited to discuss the matter.

Birmingham.—At a special meeting of the Insurance Committee held on August 19 it was decided to distribute to chemists at once the whole of the funds now in the Drug Fund. It was explained that the amount available from the Drug Fund for the half-year ended July 11 was 14,275*l.*, of which 12,539*l.* 12*s.* 7*d.* had been disbursed. It was now proposed to pay to chemists in full the remaining 1,735*l.*, without retaining the usual 10 per cent. for contingencies or the sum for emergency drugs. The Committee has notified panel doctors as to the need of husbanding drug-supplies during the present crisis. The Panel Committee has submitted to the Pharmaceutical Committee the proof sheets of the new local formulary, and, while not admitting responsibility in its publication, the latter Committee has signified its approval of the formulæ. The scrutiny of prescriptions is proceeding under the direction of the Pharmaceutical Committee.

Cumberland.—The new Pharmaceutical Committee met on August 5, and re-elected Mr. Bennett Chairman and Mr. Townley Secretary.

Dewsbury.—As a result of objections put forward by the Pharmaceutical Committee, the Insurance Committee on August 13 decided that doctors on the panel be allowed to dispense for patients who reside over a mile from the nearest chemist, and that the lists of patients for whom doctors claim to dispense be returned to the Pharmaceutical Committee for consideration.

East Sussex.—The Clerk reported to the Insurance Committee on August 11 that the checking of chemists' accounts for the quarter had not been completed. There were, he added, very few cases of overcharging, but several cases of undercharging.

Hertfordshire.—A meeting of the new Pharmaceutical Committee was held on August 12, when the following were

co-opted to fill the vacancies: Messrs. S. T. Milbank, Bishop's Stortford; J. Hayllar, Hoddesdon; J. P. Sholl, Watford; E. E. Russell, Letchworth. Mr. D. W. E. Barker, resigning, to be paid Secretary to the Committee. Mr. Milbank was elected Chairman, and the Pharmaceutical Service Sub-Committee was appointed as follows: Messrs. Bennion, Cannon, and Fisher.

Kent.—Mr. John E. French, F.I.C., Sittingbourne, Hon. Secretary of the Pharmaceutical Committee and the North Kent Pharmaceutical Association, has been appointed by the Insurance Commissioners to a seat on the Insurance Committee.

Liverpool.—The Secretary of the Insurance Committee has called the attention of all panel doctors to the shortage of synthetic chemicals of German origin, and has given a list of proprietary names of drugs and their chemical equivalents, which, it is suggested, might be prescribed by medical men. Panel doctors are asked to co-operate with chemists in husbanding supplies of drugs.

Manchester.—A notice signed by the three joint Insurance, Panel, and Pharmaceutical Committees has been sent to every chemist on the panel *re* the husbanding of drug-supplies, so that all useful drugs may be available as long as possible for serious cases of illness and for casualties arising out of a state of war. It is requested that all drugs and surgical dressings should be ordered in as small quantities as is consistent with adequate treatment, and particularly mentioning drugs made under foreign patents and drugs manufactured from raw materials which do not exist in this country. Insurance prescriptions have shown a decided drop during the last ten days.

Northampton.—The Insurance Committee on August 11 decided to pay 33½ per cent. of the amounts of chemists' accounts for the quarter, this representing the sum available in the Drug Fund. It was reported that there had been charges of over-prescribing against certain doctors, and the matter is under consideration by the Panel and Pharmaceutical Committees. In view of the possibility of surcharging, it was recommended that the doctors should be paid only 33½ per cent. of the sums due to them for the quarter, but this was referred back to the Sub-Committee for reconsideration.

Sheffield.—There is still uncertainty as to the amount available for the Drug Fund, and only 85 per cent. of chemists' accounts for 1913 has been paid. The original estimate was a deficiency of 5 per cent. In the early months of 1914 the position appeared to be getting worse, and the Pharmaceutical Committee approached the Panel Committee with a view to securing economy in prescribing. A new local Pharmacopoeia has been published, and Clause 40 of the Regulations has been put into operation; both seem to be bearing fruit. The following figures are of interest:

Chemists' accounts for 1913, total 16,098*l.*
Average cost per prescription, 7.56*d.*
1914.

Amounts paid to chemists as shown by Insurance Committee's minutes:

	£	s.	d.
February 11	1,300	9	6
March 11	1,356	8	6
April 11	1,101	13	6
May 11	1,253	7	0
June 11	1,361	1	6
July 11	845	19	10

The payments for 1914 represent 72.5 per cent. of the accounts as rendered.

Smethwick.—The Pharmaceutical Committee have decided to make a levy of 4 per cent. on accounts to be rendered for the quarter ending October 11, 1914, in lieu of a grant for administrative expenses. The Committee have undertaken the scrutiny of the 1913 prescriptions.

Yorkshire (West Riding).—Wakefield panel chemists have communicated with the Insurance Committee about the working loss on present Tariff prices owing to advanced rates, and the Committee's reply will be considered at a special meeting.

SCOTLAND.

Aberdeenshire.—The Finance Sub-Committee of the Insurance Committee have considered and approved of the following statement:

The estimated sum available from the Drug and Drug Suspense Funds for the past six months for payment of the chemists' accounts is 1,294*l.*; the amount of the advance for the April quarter was 631*l.*, leaving available for distribution 661*l.* It is proposed that this balance be disposed of as follows: (1) In paying the 20 per cent. retained from last quarter's settlement, 158*l.*; (2) in making an advance for the quarter now ended of 85 per cent. on the estimated amount of the chemists' accounts (say 600*l.*), 510*l.*

The Pharmaceutical Committee have approved of this, but state that they hope the Insurance Committee will take action with a view to future payments being made without deduction. Dispensing doctors are to be paid at the rate of 9d. for each suspense slip.

Berwickshire.—Chemists' accounts for the quarter ended July 11 amounted to 74l. 11s. 0½d., against 61l. 14s. 10d. for the corresponding period of 1913. The amount for the quarter ended April 11 was 107l. 2s. 10d., against 55l. 3s. 4d. in 1913. No case of excessive prescribing had been revealed by an examination of the prescriptions.

WALES.

Glamorgan.—The new Pharmaceutical Committee met on August 13, when Mr. A. Griffiths (Maesteg) was elected Chairman, Mr. O. Davies (Pontypridd) Vice-Chairman, and Mr. G. I. Williams (Maesteg) Secretary. It was decided that the last-mentioned office should be paid, and the Secretary resigned, to be immediately reappointed, and his place on the Committee was filled by the appointment of Mr. Parry Williams (Bargoed). In view of the position of the drug-market, the Committee passed a resolution, to be sent to Mr. Woolcock, to the effect that a monthly list of prices of drugs and chemicals affected should be issued by the Pharmaceutical Society, to be submitted to Insurance Committees. It was decided that panel chemists should be notified not to price prescriptions for the present, in view of possible changes in the Tariff prices. It was resolved to arrange a joint meeting with the Panel Committee to discuss the question of the drug-supply.

ASSOCIATION AFFAIRS.

Bolton.—The annual meeting of the Bolton Pharmacists' Association was held on August 13, when the Secretary of the Pharmaceutical Committee stated that last year's Insurance prescriptions are being examined, with a view to putting Regulation 40 into action. The retiring officers were thanked, and the following were elected for the coming session: *President*, Mr. J. R. Massey, Bradshawgate; *Secretary*, Mr. G. Brown, Alexandria Road; *Treasurer*, Mr. E. N. Fox.

Ealing. Mr. E. F. Strickland presided over a well-attended meeting of the Ealing District Pharmacists' Association on August 13, when there was a discussion on retail and wholesale prices, some members condemning the action taken by wholesalers. It was decided to continue present prices for old prescriptions, and to charge new prescriptions at the usual rate *plus* the extra cost of ingredients. It was also resolved, as regards Insurance prescriptions, that an assurance should be given that increased payment in Tariff prices should be made in proportion to the increase of cost. This resolution has been sent to Mr. Hugo Wolff, Secretary of the County Association.

Eastbourne.—A meeting of the Eastbourne Pharmacists' Association was held at the Queen's Hotel on August 11. Eight members were present, with Mr. W. Price (President) and the Hon. Secretary. A letter was read from Mr. Woolcock referring to the situation regarding the supply of drugs, and the Hon. Secretary stated that he had written to the Clerk of the Insurance Committee asking him to call a joint meeting of the Panel and Pharmaceutical Committees to discuss the matter. A Pharmaceutical Committee meeting was called on August 13, at which it was decided to send to all medical men a list of drugs and chemicals in short supply, together with a circular calling attention to the necessity for economy.

Nottingham.—Mr. A. Middleton presided at a special meeting of the Pharmaceutical Association on Wednesday, August 19, when a sub-committee was appointed to fix minimum retail prices for drugs affected by the present crisis, which the trade will be requested to comply with. Messrs. Waring, Carr (*ex officio*), Godson, Norweb, Beilby, A. Middleton (*ex officio*), and Reinsaw Clarke are the members of the sub-committee.

Torquay.—At a meeting of the local Pharmacists' Association on August 12 it was decided to send a circular-letter to all local medical men, drawing their attention to the shortage of synthetic and other remedies hitherto obtained from Germany, and suggesting the use of equivalent chemicals as far as possible.

It was explained at a meeting of the Middleton and Tonge (Lancs) Industrial Co-operative Society that the high profits (4s. 5½d. in the pound) made in the chemist's department were in part due to the fact that no dividends are paid on National Insurance dispensing.

TRADE REPORT.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., August 20, 6.30 p.m.

THE bold course adopted by the Bank of England, acting on the advice of the Chancellor of the Exchequer and the bankers, to discount pre-moratorium bills of exchange running into millions sterling, has had the effect of steadying the nerves of the commercial community, and has enabled the machinery of credit to start afresh. It is a slow business, however, and an enormous amount of paper indications of credit has got to be digested. The joint-stock banks are in the possession of ample funds, but the recent shock has given a feeling of hesitation in regard to new business, which is only natural in present circumstances. Business in Mincing Lane is, therefore, of a hand-to-mouth character, and mostly for cash, credit being practically at a standstill for the time being. Practically the only export business being done is with the United States and Canada, which is developing in a very satisfactory manner, in spite of unusual financial conditions, practically double freight rates, and war risks insurance. Cables, too, are an expensive item, as they are required to be in plain English, added to which the Customs authorities place many peculiar interpretations on the Proclamation forbidding certain exports. These difficulties are, however, being cheerfully borne, and the position is improving daily. As regards the home trade, manufacturers and wholesalers are now able to gauge the situation better, and are adjusting themselves to the new conditions, while reports from the provinces indicate a resumption of buying and return of confidence. There has been no relief, however, in the matter of prices of chemicals and drugs obtained from the Continent, and we again reiterate that extreme economy will be necessary in regard to existing stocks. It is possible, however, that small supplies of certain chemicals will be obtainable from the United States, but prices will not be cheaper. We understand that, with the consent of the British Government, the price of bismuth metal (formerly 7s. 6d.) has been fixed at 10s. per lb., and the bismuth salts are correspondingly higher. There has been a further advance in values of many German-made chemicals, and some, like chloral hydrate, potassium permanganate, thymol, formaldehyde, hydroquinone, etc., are almost unobtainable. Business in these and many other products continues a matter of negotiation, and each sale made is at an advance, as a dealer's stock decreases and cannot be replaced.

Cablegram.

NEW YORK, August 20—Business in drugs is active. Opium is higher at \$9. Peppermint oil is lower at \$2.60. Menthol higher at \$4.50. Ipecacuanha is also higher at \$1.75 for Cartagena. Buchu dearer at \$2.00 for short and \$1.75 for long. Belladonna-leaves are quoted at \$2.00, and root is 20c. per lb. higher.

London Markets.

ACETANILIDE is offered at from 1s. 9d. to 2s. per lb., according to seller and quantity.

ACETIC ACID of 99 to 100 per cent. can be had in limited quantities at from 45s. to 50s. per cwt., but some ask more.

ACETONE is now obtainable at about 95¢ per ton, being cheaper than our previous quotation. Others ask more.

ACETYL-SALICYLIC ACID has varied considerably at between 6s. 6d. and 8s. per lb., but one transaction was reported at 10s.

AMMON. MUR. has advanced to 40s. for granulated, 42s. 6d. for medium size, and 45s. for large crystals.

ANISE OIL (STAR) is nominally quoted at 5s. 6d. per lb. for "Red Ship," without business; there are no c.i.f. quotations.

ANISEED is much dearer, good Russian having been sold at 46s. per cwt., with 50s. now asked; but rather inferior quality is offering at 40s. Spanish, in sympathy, is quoted 50s. per cwt.

ARROWROOT.—The sales include 500 barrels St. Vincent at from 2½d. to 2½d. per lb.

ARSENIC.—Best white Cornish powder is now held at 15*l.* 10*s.* to 16*l.* per ton.

BALSAM TOLU is offered at 2*s.* 3*d.* to 2*s.* 4*d.* per lb., being fairly cheap.

BENZONIN.—A fair business has been done in Sumatra at prices showing an advance of from 5*s.* to 7*s.* 6*d.* per cwt.

BICHROMATES are unaltered at 3½*d.* for potash and 3*d.* for soda in London.

BISMUTH SALTS.—The agents for the Bismuth Syndicate have, with the consent of the British Government, advanced the price of the metal by 2*s.* 6*d.* per lb. to 10*s.* The following prices have been fixed by the makers for 2-cwt. lots: Bismuth carbonate, 11*s.*; citrate, 12*s.*; and subnitrate, 9*s.* 10*d.* The above prices show an advance of 2*s.* 7*d.* on the carbonate and subnit. and 4*s.* 1*d.* on the citrate. The usual premium of from 2*d.* to 3*d.* is payable on the 1-cwt. lots and list-price lots. The above prices are net, and no forward contracts are being made.

BLEACHING-POWDER.—The spot value is from 8*l.* to 8*l.* 2*s.* 6*d.* ex wharf.

BROMIDES.—The English makers have fixed the prices of the three principal salts—potassium, ammonium, and sodium—at 4*s.* per lb., the price, however, being quite nominal. In the open market the price is from 4*s.* 6*d.* to 6*s.* per lb., according to the idea of seller, with very limited quantity available.

CAFFEINE.—Makers' prices for the pure are 15*s.* to 15*s.* 9*d.* as to quantity, and 11*s.* to 11*s.* 9*d.* for citrate.

CAMPOR (REFINED).—Business has been done for export to U.S.A., the value of Japanese 1-oz. tablets being 2*s.* 1*d.* and slabs 2*s.* per lb.

CANARY-SEED is dearer; good Morocco has been sold at 102*s.* 6*d.* per quarter.

CARAWAY-SEED is unchanged at 30*s.* per cwt. for good Dutch on the spot.

CARBOLIC ACID.—The value of crude 60-per-cent. is about 2*s.* 6*d.* per gal., and ice crystals, 39° to 40° C., 10*d.* to 11*d.* per lb. in large bulk packing.

CHLORAL HYDRATE appears to be almost unobtainable, and the value is quite nominal.

CHLOROPHYLL has been sold up to 7*s.* 6*d.*

CINCHONA.—The first-hand stock at Amsterdam on August 6 consisted of 9,337 packages Government and 48,456 packages private bark. At the London auction on August 18, 1,027 packages were offered, and only 17 sold, this being due to the fact that bark and quinine are prohibited from being exported. Of East Indian, 940 packages offered, and 17 sold, including Ledgeriana root at 6*d.* and branch at 5*d.*; good red quill was bought in at 10*d.*; 70 bales Java and 17 bags were bought in.

Our Amsterdam correspondent writes that the public sales of cinchona-bark and of coca-leaves announced for August 28 have been postponed, and the allotment of manufactured cinchona-bark on August 27 has also been put off. The prices of quinine sulphate of the Amsterdam Quinine-factory are the same as before the war.

CITRIC ACID.—Business has been done at up to 3*s.* 7*d.* per lb., but some holders ask 3*s.* 9*d.* Tartaric acid—English 1*s.* 9*d.* and foreign 1*s.* 8*d.* Cream of tartar quite nominal at 150*s.* to 160*s.*

COCAINE in slight demand, with second-hand sellers asking 12*s.* per oz. The agents for makers have, of course, nothing to sell, their chief concern being to give delivery from stock ex contract.

CODEINE.—The makers' price is unaltered at 15*s.* per oz. for pure crystals in contract quantities.

COD-LIVER OIL.—Our Bergen correspondent writes on August 17 that there is no business in cod-liver oil, and the exports are practically suspended. It is quite on the cards that sailings with Norway and Hull will be resumed shortly. As it is, there is no demand in London, and the nominal quotation is about 100*s.* to 102*s.* 6*d.* per barrel. The last business was at about 70*s.* to 75*s.*

The total exports from Norway to August 1 amounted to 25,000 barrels, against 21,500 barrels at the corresponding date of last year.

CORIANDER-SEED.—For new crop Morocco on the spot 15*s.* per cwt. is required.

CUMIN-SEED is firm, with small sales of Morocco at 46*s.*, and of Malta at 52*s.* 6*d.* per cwt.

CUTTLEFISH-BONE is in fair supply owing to recent arrivals; 5*d.* is asked for bold pale E.I. bone.

DEXTRIN.—Owing to steamship service with Holland being resumed, the prices of dextrin and farina are easier at 20*s.* and 17*s.* ex wharf respectively.

DRAGON'S-BLOOD.—Several sales have been made for U.S.A. at current rates.

EPSOM SALTS.—The Scotch makers have withdrawn their prices, which are nominally higher.

ERGOT.—Business has been done for export to U.S.A. at 5*s.* per lb.

FENNEL-SEED is dearer, with small sales of good quality at 25*s.* per cwt.

FENUGREEK-SEED remains firm at 13*s.* to 14*s.* per cwt. for Morocco on the spot.

FORMALDEHYDE is obtainable in carboys at 70*s.* ex warehouse. Higher prices have been paid.

FUSEL OIL.—The value is from 60*s.* to 70*s.*

GAMBIER is dearer, with sales at from 18*s.* 3*d.* to 19*s.* 6*d.* per cwt.

GENTIAN.—The price of whole foreign appears to be about 50*s.* and cut 56*s.* per cwt.

GLUCOSE has advanced to 14*s.* 6*d.* per cwt. for liquid, and sold to 15*s.* 6*d.* to 16*s.* It is felt that the advance is unjustifiable, as the principal sources of supply (U.S.A.) are still open, and arrivals are taking place.

GUAIACOL CARB.—There are still sellers at from 10*s.* to 11*s.*, the lower figure having been paid.

HEXAMETHYLENETETRAMINE is obtainable at about 5*s.* per lb., but some ask more.

HYDROQUINONE.—One seller claims to have made 15*s.* for this "luxury."

ICHTHYOL AMMON.—The value of the genuine is about 30*s.* per lb.; there is very little stock here.

INSECT-FLOWERS.—The small spot stock is practically held off the market, a limited quantity offering at from 160*s.* to 170*s.* per cwt.

LEAD.—English red is quoted 26*l.* and white 23*l.* 10*s.* per ton.

LEMON OIL.—There is practically no demand, and spot prices are nominal at from 11*s.* to 12*s.* per lb., according to the idea of holder. Some sellers have withdrawn altogether.

An advice from Sicily, dated August 8, reports that during the last eventful week political circumstances have absorbed the whole life of every European nation, and our country has lived in terrible anxiety. Business has naturally been entirely suspended, the more so as:

(1) A decree of August 4 authorised the banks to pay only 5 per cent. of the deposits in their hands at that date, and then to prorogate any further payment until August 20; (2) banking business has been suspended in all countries, and there are no longer quotations of rates for foreign exchange; (3) shipping has been suspended with all ports and with all nations.

These facts would, in themselves, be sufficient to arrest all economic movement and all business intercourse.

LIME-JUICE.—Stocks have been practically cleared, chiefly on Government account, and for a limited quantity probably 3*s.* per gal. would have to be paid.

LINSEED.—Fine qualities are dearer at 52*s.* 6*d.* to 55*s.* per quarter.

LITHIA CARB. can be had at from 3*s.* 6*d.* to 4*s.*

LYCOPodium could probably be had at 3*s.* in small quantities, but it is said that 4*s.* is justified.

MALE-FERN OIL.—Second-hand parcels offer at from 7*s.* 6*d.* to 9*s.* per lb., according to make.

MENTHOL has been in demand for U.S.A., up to 11*s.* 6*d.* being paid for Kobayashi, with 12*s.* asked.

MERCURIALS.—A premium of from 9*d.* to 1*s.* per lb. on makers' list prices is now current.

METHYL SALICYLATE.—The value is about 2*s.* 6*d.* per lb.

MILK-SUGAR.—Business has been done at 95*s.*, but several people ask from 110*s.* to 115*s.*

MORPHINE.—Sellers of hydrochloride powder quote 11*s.* per oz.

OILS, FIXED.—*Linseed* (official prices), spot 26*s.*, barrels 26*s.* 6*d.*, naked 25*s.* 4½*d.* *Coconut*—Ceylon spot (hhds.) 52*s.*, to arrive 50*s.* c.i.f.; London pressed 43*s.* *Soya*, Manchurian (cases) arrived London, 26*s.* 6*d.* *Palm*—Lagos, 29*s.* 6*d.* spot Liverpool. *Ground Nut* oil is 40*s.* to 50*s.*; finest English *Colza*, 35*s.*; foreign, 35*s.* 6*d.* to 37*s.* 6*d.*; *Lard* oil, 40*s.* to 57*s.* 6*d.*; *Seal*, 19*l.* to 27*l.* 10*s.*; *Whale*, 20*l.* to 27*l.*; bright *Sperm*, 26*l.* to 29*l.*; *Cod*, 20*l.* to 25*l.*, all per tun. *Petroleum*, 6½*d.* to 7½*d.* and water-white 8½*d.* per gal. *Turpentine*, American spot, 34*s.* per cwt.

OPIMUM.—A Smyrna correspondent writes on July 31 that very little business has been done this week, but, notwithstanding this fact and the want of ready money brought about by the Austro-Servian conflict, prices are well maintained, and for the five cases of old and new goods which changed hands buyers had to pay the full figures of 16*s.*

to 19s. per lb. as to quality. The arrivals in Smyrna are 923 cases, against 1,769 cases at same date last year.

A Constantinople correspondent writes on August 1 that the European war has paralysed the opium-market, and that the banks have refused to make advances against consignments of opium, and several holders have been obliged to part with their stocks in order to meet their engagements. On the other hand, holders, both in Constantinople and the Interior, have withdrawn from the market, and if, as is likely, this condition of things continues we shall shortly see lower prices. The sales of the week have been 44 cases druggists' at from ptns. 235 to 260, eight cases "soft" at ptns. 270, and 13 cases Malatia at from ptns. 235 to 250. The arrivals in Constantinople amount to 265 cases, against 595 cases, and the stock is 347 cases, against 452; it consists of 312 cases druggists', 23 cases "soft," and two cases Malatia.

OXALIC ACID.—The quotation is now 5d. to 5½d. per lb. net.

PEPPERMINT OIL.—Business has been done in best American brands at from 14s. per lb. upwards.

PHENACETIN is obtainable in limited quantity at from 4s. 9d. to 5s., although higher prices are current.

PHENOLPHTHALEIN has been sold at up to 8s. to 10s. per lb.

POTASH SALTS.—The nominal value of *Chlorate* is from 5d. to 6d. per lb., according to seller. *Prussiate* is also nominal at from 1s. to 1s. 2d. *Permanganate* has been sold up to 85s. to 100s., but more is now asked. A shipment is expected from the U.S.A.

POTASSIUM IODIDE.—Business has been done from the makers at 15s. per lb. in quite limited quantities only.

QUICKSILVER.—Small lots have changed hands for home consumption at about 6l. 15s.

QUININE since the war has only shown a slight advance, with business in the usual German brands at 1s. 2½d. to 1s. 3d. from second-hands. Holland has prohibited the export of quinine and bark also, it is said, from the Dutch colonies. When German-made fine chemicals are exhausted, quinine is likely to have its turn, and is now relatively cheap and worth buying. The stock in London at the end of July was about three million oz.

RESORCIN.—The value is from 4s. 6d. to 5s. per lb.

RHUBARB.—Although there is practically no business, prices are about 2d. per lb. dearer all round, owing to higher freights and difficulties of shipment.

RUBBER.—An auction is to be held on Tuesday, August 25, which is an indication that the market is again approaching normal conditions. The rubber offered will be paid for in cash on or before September 3; buyers at this auction have no recourse to any moratorium. Privately, the market for plantation sorts is advancing steadily on a strong American demand. Standard No. 1 Crepe has been sold at from 2s. 3½d. to 2s. 5½d., and smoked sheet 2s. 4½d. to 2s. 6d. Para is also dearer, with sales of hard fine at 3s. and buyers.

SACCHARIN.—Since the war prices have advanced from 10s. to 15s. per lb., and the price is quite nominal at about 50s. per lb. duty paid.

SAFFRON.—Business has been done on spot up to 49s. 6d. per lb. net for finest Valencia, but some ask more. Spot is scarce, and the prospects of getting further supplies are remote. Most of the Spanish banks appear to be closed, the financial conditions quite precluding business.

SALICYLATES.—Acid is quoted at from 2s. 6d. to 3s. and soda 3s. to 3s. 6d. per lb.

SALOL.—The value is about 4s. 6d. per lb.

SALTPETRE.—A further advance of 5s. has been made in English refined, which is now quoted at 39s. in barrels and 40s. in kegs.

SANDALWOOD OIL is quoted at about 22s. 6d. to 22s. 9d. per lb., an advance of about 3s. This is chiefly owing to the elimination of German competition.

SANTONIN.—For small parcels up to 130s. per lb. has been paid from second-hands.

SENNA.—A special auction of Tinnevely senna was held on Wednesday, August 19, when 341 bales offered; of this quantity, 276 were leaves and 45 pods. As a sign of the times, the prompt was made payable on Saturday next. There was a strong demand, and all sold at full to higher prices, including fair bold size greenish leaf, 4½d. to 4¾d.; medium to bold size greenish, 3½d. to 4d.; small greenish, 2½d. to 3d.; common dark and damaged, 1½d. to 2d. Pods, very dark to very good, 1½d. to 2½d. per lb.

SHELLAC.—A small spot trade has been done on the basis of 58s. to 59s. for fair N quality.

SODA HYPOSULPHITE.—Business has been done up to 42s.

per cwt., and in small lots distributors are getting 6d. to 8d. per lb.

SPICES.—Business generally is extremely slow. Zanzibar *Cloves* have been sold at 6½d. for fair and sellers. Lampong *Pepper* has sold freely at 5d. spot; Singapore is nominal at 5½d., and white Singapore 8½d. to 9d. Muntok, 9¾d.

SULPHONAL.—A limited quantity is obtainable at 12s.

SULPHUR.—Shipments are likely to be resumed from Sicily shortly; meanwhile flowers and roll are quoted in limited lots at about 12l. 10s. per ton ex wharf.

TALLOW is cheaper, especially medium and low qualities, owing to the fact that exports to the Continent have ceased; but fine sweet sorts have been sold at enhanced values. At auction 1,177 casks offered, and 217 sold at lower rates.

TARAXACUM.—No foreign cut is available.

THYMOL.—With practically no stocks in existence, the value is quite nominal at about 25s. per lb.

TRIONAL.—Sellers ask 30s. per lb.

UROTROPIN is selling at full scale prices—viz., from 2s. 3d. to 2s. 6d. per oz.

VANILLIN has been sold at varying prices ranging between 20s. and 30s. per lb., with one holder asking 35s.

WAX (JAPANESE) is dearer, with spot sellers up to 60s. per cwt.

Heavy Chemicals.

The position in the heavy-chemical market continues much the same as indicated last week, and it is really impossible to give any prices which may be considered as representative for practically all cases. Considering the existing conditions, the home trade demand against contracts has been good, and it is evident that everything possible is being done to keep works going. In forward business there is nothing doing, and, of course, export business is largely at a standstill too. Another adverse condition is the present financial position, and there is a distinct disposition in many quarters to ask for cash on delivery. The following figures are mentioned as a guide: *Bleaching-powder* stands at about 8l. to 8l. 15s. per ton. Caustic soda, home trade, 70-per-cent., 9l. 7s. 6d. to 9l. 12s. 6d.; 60-per-cent., 8l. 7s. 6d. to 8l. 12s. 6d. Ammonia alkali still stands at 2l. 17s. 6d. to 3l. 10s. Chlorate, 5d. to 6d.; yellow prussiates, 1s. to 1s. 2½d. per lb. Hyposulphite of soda, practically nothing offering for prompt. Some barium products are at present unobtainable.

Sulphate of Ammonia.—There is practically no business doing, and prices are only nominal. London terms, 25-per-cent., 10l. 10s.; Leith, 11l. 2s. 6d.; Hull, 10l. 18s. 9d.; and Liverpool, 11l.

Benzols, 90-per-cent., 1s. to 1s. 2d.; and North, 1s. naked prices.

Alumina-products are higher. Crystal alum, 10s. to 15s.; and sulphate alumina, 20s. to 25s. per ton.

The British Association.

AS already noted (*C. & D.*, July 27, p. 52), the annual meeting of the British Association is this year taking place in Australia under the presidency of Professor William Bateson, F.R.S. The first portion of the presidential address was delivered at Melbourne on August 14 and the second at Sydney on August 20. Professor Bateson delivered fascinating discourses, choosing as his subject Heredity, which he treated on the lines of Mendelian or analytical methods of study. We reserve our report of it.

WILLS PROVEN.

MR. GILBERT TWEEDE, chemist and druggist, Annan, Dumfriesshire, who died on April 3, aged seventy-eight, left in addition to considerable real estate, personal estate in the United Kingdom valued at 11,931l., of which 11,875l. is Scottish estate. His interest in the firm of Thos. & Gilbert Tweedie has been valued for probate at 9,220l.

MR. HERBERT BLANDFORD TURNER, chemist and druggist, Edenbridge, who died on July 4, aged forty-seven, left estate of the gross value of 1,316l. 19s. 10d., with net personalty nil. Probate of his will has been granted to his brothers, Mr. John Davy Turner, chemist, and Mr. Edward George Turner, pharmacist, both of 15 Leigham Terrace, Plymouth.



Memoranda for Correspondents.

All communications must be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with. Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest. Correspondents are requested to write each query on a separate piece of paper. Every endeavour is made to reply to queries without delay, but insertion of the replies in "the next issue" cannot be guaranteed, nor, as a rule, can they be sent by post. Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed.

Paying Accounts.

SIR,—We feel the trade have a strong grievance against certain wholesale and manufacturing houses who are now demanding payment in stricter terms than ever exacted before, on account of the war. If this custom is allowed to prevail without protest it means simply ruin to the trade. We advise every retail firm so harassed to send a statement to the Chancellor of the Exchequer, requesting him to ask the wholesale firm's bank to enforce a moratorium against it.

Yours truly,

Dublin.

J. LEONARD & Co.

Shorter Credit to the Public.

SIR,—Most of the wholesale houses, in view of the present crisis, are shortening their terms of credit, and rightly so; but can no pressure be put upon the buying public, who in many cases take unlimited credit? And this, if persisted in, will cause much undeserved distress. An appeal to one or more of the leading London papers might contribute to a better state of things in this respect, and by inducing people to pay promptly, and so tide over present difficulties, may introduce a healthy habit of punctuality that may become permanent.

Yours faithfully,

[ANOTHER] COUNTRY CHEMIST. (63/22.)

Business as Usual.

SIR,—The sure way to secure continuous employment in this country is to get more business. To that end I suggest that a committee of business men should be formed immediately to consider what steps should be taken during the present crisis. They would supplement the efforts of the Board of Trade and consider matters outside the functions of that body. I feel valuable work can be done by such a committee on the following lines:

1. To energetically place before the community the opportunities for fresh trade which have arisen and will arise.
2. To secure financial support from the Government for those firms manufacturing for stock and for future necessities.
3. To encourage every business to work in the firm belief of the invincibility of our Navy and its success in keeping the seas free for our ships.

Let us with renewed vigour attack our enemy in the markets of the world with our army of commerce.

Yours faithfully,

55 Fetter Lane, London.

H. E. MORGAN.

Education and the Tariff.

SIR,—Your educational articles come very opportunely. "It is an ill wind that blows nobody good." How are pharmacists going to prepare for the amount of business which is likely to come our way in the course of a year or so? We lost the aniline-dye industry to Germany more than a generation ago. Can we not make up something of this? The articles referred to take up a wide range of subjects, but in my view the younger members of our profession will do exceedingly well to stick at chemistry "first, last, and all the time."

Your views on "contracts" are very upright and moral, but I hope they will not appeal with similar force to the Committees who pay the Insurance bills for medicine, etc.! If a bargain is a bargain in the one case, then many chemists are within measurable distance of the Bankruptcy Court. What is being done about that Tariff? I think many chemists will be very grateful to you for a strong line and lead on this important matter.

Yours, etc.,

COUNTRY CHEMIST. (63/6.)

Store Managers.

SIR,—Perhaps I am not the only "Store Manager" who is *not* at a loss to understand why some of your correspondents consider us such inferior "beings," but I do fail to see what benefit or consolation they derive from their apparent contempt. We are educated in the same, or similar, schools and colleges, pass the same examinations (in my case apprenticed for five and a half years in one of the oldest-established businesses in the country); we gather our experience in the same shops as other chemists; but immediately we enter the service of a limited company (or multiple-shop company), by some mysterious process, we are transformed intellectually and morally into beings of an inferior calibre. Woe unto us; we are undone! Our powers of discrimination are gone; our certificates, etc., are as paper only; our years of experience are as naught; our conscience is sold for the unclean "shekel." How very wicked to manage a store! We should only "manage" for a private man, and submit to a fine of 10s. to 20s. per week deducted from salary, and forgo all commission, bonuses, or "spiffs," which are unjust and *infra dig.* How is it that when the store manager sets up in business for himself, as he often does, he once more regains the virtues he had lost? He now becomes able to protect the public by his "check" on the quality of drugs, etc., supplied to him by his wholesale house (be it never so reputable). It would be well for some of your correspondents to remember that even if the store manager has no conscience he has a memory, which is not forfeited during the period of his degradation. And I for one am not yet convinced that all the conscience is outside the pale of company pharmacy. Honour (and pay) are due to the man who faithfully serves his employer, be it a company or not. There are shady individuals in every walk of life, but I respectfully maintain that there are as good, honest, and true men in the stores as outside.

FAIR PLAY. (218/26.)

Subscribers' Symposium.

For questions, answers, incidents, and interchange of opinions among "C. & D." readers.

White Shellac.

"I should have added to my note *re* white shellac in last week's *C. & D.* that, though keeping it in water may retain its solubility, it gradually goes yellow. This tendency may, however, be retarded if the water is changed every few weeks. I do not know why this is so. I suppose there must be some chemical or other reason for it. It is also better to have as few broken pieces as possible—the broken surface is semi-porous, but the original 'hanks' are hermetically sealed."—*Wm. Bousfield.*

A Bell Inscription.

Stymied (52/5), writing from South Africa, asks: "Could you favour me with a translation? It is inscribed on the bell in the Castle, Cape Town:

BENEDICAT TERRA DOMINUM. LAUDET
SUPER EXALTEUMIN.
CÆCULA CLAUDIE, FROMIME
FECIT AMSTELODAMI. A° 1697."

[The inscription is evidently a quotation from the Vulgate (Proph. Dan. iii. 74): "Benedicat terra Dominum: laudet et superexaltet eum in sæcula" ("Let the earth bless the Lord: praise Him and magnify Him for ever"): added to which is the statement "Claudie Fromi me fecit Amstelodami A° 1697" ("Claude Fromi made me in Amsterdam, 1697").—EDITOR *C. & D.*]

Insurance Contribution.

Alpha (58/47) asks what contributions under the National Insurance Act are payable by a woman who has

been employed, but is visiting her home for a few months before resuming her employment.

[The woman is not bound to contribute at all during the period of her unemployment, but if she wishes to avoid falling into arrears and losing her right to full benefits, she must pay 6d. per week—the amount of her own and an employer's contribution.—EDITOR C. & D.]

Jay MacKims

(As he writes them).

"Manager's" letter in your issue of August 8 is sound commonsense:

(1) But, being sound, it may take ten more years before such a Preliminary curriculum is adopted.

(2) The next Education Act will compel us to give a chance of promotion to even errand-boys, or will condemn us as 'blind-alley employers.'

(3) Boot saw this years ago; the Pharmaceutical Council saw it—hence the Latin problem shifted; but the bulk of the trade don't see it because they do not think.

(4) The superior apprentice is a nuisance to himself and a hindrance to everybody else—fire him out.

(5) Night-schools will soon be compulsory; then boys who really will work can get pushed on.

(6) Our population is divided into two classes—the one trying to get an appetite and the other to get food. The first lot like to 'be fussed by haw-haw servitors: the second lot detest it.

Dispensing Difficulties and Notes.

Readers are advised to consult "The Art of Dispensing" in regard to difficulties of compounding. We welcome fresh problems for experiment and elucidation in this column, and invite the co-operation and correspondence of dispensers.

A Guaiacol Mixture.

SIR,—Will you please inform us how to make a clear emixture from the under-noted prescription?—Yours truly,
LAHORE. (43/62.)

Guaiacol pur. ....	...	...	mx.
Sp. rect. ....	...	...	5ss.
Quin. hydrochlor. ....	...	...	gr. xv
Tr. gentian. co. ....	...	...	3j.
Aq. dest. ad ...	...	...	3vj.

Half a teaspoonful for a dose.

[Dissolve the quinine hydrochloride and the guaiacol in the rectified spirit and tincture of gentian mixed, and add the water gradually. Compounded in this way the mixture is slightly opalescent. The opalescence begins to appear when about two-thirds of the water has been added. To obviate the opalescence double or treble the quantity of spirit requires to be used according to the degree of clearness desired. Guaiacol varies a little, we find, in production of "cloud" in mixtures. This is a typical guaiacol mixture, such as you will find described in the "Art of Dispensing," except that the dose of guaiacol is unusually small. Some books state the solubility of guaiacol to be about 1 in 80 of water. If this were correct, the mixture should not require any spirit. We have not, however, encountered such guaiacol. For the purpose of practical dispensing it may be regarded as insoluble in water.]

Miscellaneous Inquiries.

We do not undertake to analyse and report upon proprietary articles, and when samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how.

We do not as a rule repeat information which has been given in this section during the past twelve months, as it occupies space which can be more profitably utilised for other information. In such cases the numbers are mentioned, and if querists cannot refer to these they may obtain the numbers from the "C. & D." Office at the published price, usually 6d.

U. K. S. (Mehekar) (50/23).—To answer your twelve questions would monopolise several pages of the *C. & D.*, and this we cannot do. We advise you to obtain a copy of "Pharmaceutical Formulas" (Office of *C. & D.*, 10s.), and for the soap-making questions a copy of Watt's "Art of Soap-making" (Lockwood, 7s. 6d.).

B. F. L. (Ryswijk) (33/57).—There is no book, so far as we are aware, devoted to the manufacture of orthopaedic apparatus. We will, however, look into the matter further.

J. E. S. (61/64).—BOOKS ON DISEASES OF CATS.—See *C. & D.*, January 3, 1914, p. 72.

Rhei (46/30) and *A. H. B.* (61/15).—LIQUID DRY SHAMPOO. It is quillaia that is employed in the variety to which you refer. See *C. & D.*, July 5, 1913, p. 68, for a basic formula, which can be varied as regards perfume according to requirements. The sample sent by "Rhei" contains ironone, and is tinted green with an aniline dye.

H. S. C. (45/59).—TRANSFERRING PATTERNS.—We do not know of an ink employed for transferring dressmakers' patterns, but there is a powder used for the purpose. This consists of a mixture of graphite, resin, and starch. It is dusted through a perforated pattern, and the markings fixed by means of a hot iron, which melts the resin. The graphite can be replaced by other powders if desired. Possibly the fluid preparation to which you refer is an aniline ink, most of which, if containing a small proportion of glycerin, can be transferred. The violet aniline ink employed in the hectograph is suitable for the purpose required.

A. F. (57/23).—CHLORINE STANDARD FOR RAG FLOCK.—The draft regulations made under the Rag Flock Act, 1911, deem flock to conform to the standard of cleanliness when the amount of soluble chlorine, in the form of chlorides removed by thorough washing with distilled water at a temperature not exceeding 25° C. from not less than 40 grams of a well-mixed sample of flock, does not exceed 30 parts of chlorine in 100,000 parts of the flock. This chlorine standard is based upon the fact that human urine and perspiration contain considerable amounts of chlorine, and the purpose is to exclude the use of flock made from filthy rags. It has been pointed out, however, that the test does not exclude rags soiled with faeces or pus, which are stated to be employed in flock-making, as these show very little chlorine. The best way of employing the chlorine-test (the filtrate from ordinary flock being too dark for direct estimation) is that devised by Richardson and Jaffé, who state:

Two c.c. of N/10 silver nitrate, if required for 500 c.c. of the 5-per-cent. decoction, would represent the maximum amount of chlorine. Evaporate to dryness 500 c.c. of the filtrate, representing 25 grams of the flock, with 1 c.c. of a 10-per-cent. solution of sodium carbonate, ignite, take up with water, filter, and use the filtrate for the chlorine estimation. The Volhard silver and sulphocyanate method is the best for this purpose, as the decomposition occurs in the presence of excess of nitric acid.

We may add that the test in the Regulations has been rather severely criticised at meetings of technical chemists.

G. B. D. (50/22).—The iodine being the active portion of the liquid depilatory the formula for which was given in the *C. & D.* Summer Number (p. 204), you could increase the strength by using a stronger solution of iodine, such as lin. iodi. The collodion fulfils a useful purpose in keeping the preparation in intimate contact with the skin.

W. S. H. (63/56).—It is expressly permitted to use methylated liniments in dispensing Insurance Act prescriptions; see *C. & D. Diary*, p. 498.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," August 15, 1864.

Dr. Frankland on the Progress of Organic Chemistry.

At a late evening meeting of the Royal Institution, Dr. Frankland gave a very interesting account of some of the more recent chemical researches which had been made in the laboratory, and in particular of the method of scrutiny which had been followed in order to ascertain the arrangement or grouping of the elements entering into the formation of certain organic bodies, as distinguished from their percentage composition as determined by ultimate analysis. The series of organic compounds recently investigated was that constructed on the model of oxalic acid. The mode of operation consisted in employing certain substances as materials of scrutiny. These materials so employed were mercury, iodine, sodium, and ethyl (C₂H₅). Dr. Frankland first showed that when iodide of ethyl is mixed with an amalgam of sodium the materials do not react on each other until the double decomposition is determined by the addition of a few drops of acetic acid, when iodide of sodium and mercuric ethide, a compound of mercury and ethyl, the formula for which is Hg { Et result. [In the above article the new atomic weights are adopted—O=16, C=12.]

What Chemists say about Odol.

LIVERPOOL.

"I beg to enclose you another £10 Odol order. Shall be pleased to send you photo of the Window Show. Odol has a steady sale. My customers who once commence with it invariably continue using it."

LONDON, W.

"We enclose photo of our Odol Window Display. The sales have been most satisfactory—three times larger, compared with those of last month."

MANCHESTER.

"I can do with any quantity of Odol advertising matter that you may feel disposed to forward. I get through a good quantity of Odol; it is one of the few 'proprietaries' where customers don't haggle over the price."

LONDON, N.

"I find Odol of very agreeable flavour and possessing great cleansing and antiseptic properties."

GLOUCESTER.

"Odol is always satisfactory to handle, and sells well."

LONDON, W.

"I have tried Odol and find it exceptionally cleansing and refreshing. I always feel a satisfaction in recommending it."

BRISTOL.

"Please have my name and address etched on another lot of Odol tumblers as before. I put them in the window with a tooth brush in each, and they sold one another capitally."

LONDON, N.W.

"I must admit Odol to be a splendid mouth-wash; by far the best on the market."

EASTBOURNE.

"I have omitted to write you earlier *re* Odol Window Show. The one Month display made a lot of difference to my sales, which have considerably increased. Please forward the usual quantity of Odol (strong), also some advertising material—as much as you can spare."

HUDDERSFIELD.

"I have tried Odol myself, and find it to be a very pleasant and refreshing mouth-wash."

BIRMINGHAM.

"I have always found Odol decidedly pleasant and refreshing in use."

LONDON, S.W.

"I have been using Odol myself, and must say that I have found it very pleasant and refreshing in use."

DUBLIN.

"Please send at earliest convenience sufficient material for a whole Window Display. My last Odol display was a great success."

ABERDEEN.

"I shall be pleased to give you one window for an Odol Display. I always recommend Odol to my customers."

BRADFORD.

"I recommend Odol wherever I can (to our mutual benefit), and am pleased to say that my sales are increasing."

The above are extracts from a few of the many letters that are continually being received from well-known Trade authorities.

It profits both pocket and reputation to stock Odol. It makes a dainty show, attracts the right sort of customer, yields a good profit, and, by the fact of its undeniable superiority, reflects credit upon all who sell it.

EMETINE HYDROCHLORID. (Whiffen's)**EMETINE HYDROBROMID. (Whiffen's)***For Hypodermic Injection.*

May be obtained by ordering Whiffen's Brand, from all Chemists and Wholesale Drug Houses in the United Kingdom and Abroad.

WHIFFEN & SONS, LIMITED, BATTERSEA, LONDON, S.W.

Telephone—254 and 255 BATTERSEA.



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CARBONATE, CALCINED AND FLUID.

THE WASHINGTON CHEMICAL CO., LIM., WASHINGTON, COUNTY DURHAM, ENGLAND.

London Agents—Messrs. CLIFFORD CHRISTOPHERSON & CO., 21 Mincing Lane, London, E.C.

ESTABLISHED 1772.

HENRY'S CALCINED MAGNESIAContinues to be prepared with scrupulous care, in the greatest chemical purity, by
Messrs. THOMAS & WILLIAM HENRY, 11, East Street, St. Peter's, Manchester.
And is sold in Bottles, authenticated by a Government Stamp bearing their name. Trade Mark, "Henry's Calcined Magnesia."

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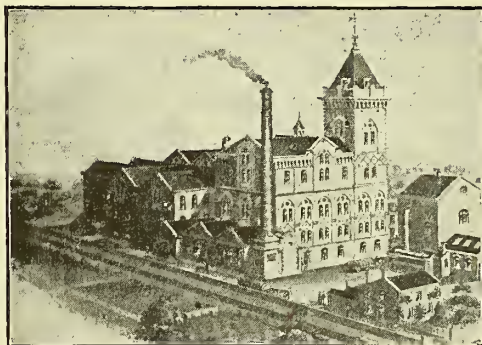
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A. MILLAR & CO., LTD., DUBLIN
PURE ORANGE WINE

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MILLS AND MALT EXTRACT REFINERY.

"John Bull" Grows!

In consequence of our rapidly increasing trade in

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we have had to install a new duplicate Malt Extract Plant of the most modern design, which is now at work.

Absolute Purity.

High Diastasic Strength.

Regularity.

"JOHN BULL" MALT EXTRACTS
NEVER CRYSTALLISE OR FERMENT.**PAINE & CO., Ltd.,** MALT EXTRACT WORKS, **ST. NEOTS, HUNTS.***Manufacturers to the Wholesale and Export Trade.*

THE SAPONIFIED CRESYLIC DISINFECTANT
OF
BRITISH MANUFACTURE
ACROSYL

(REGISTERED).

CHIEF CHARACTERISTICS:

- (1) Only the finest selected Cresols employed in its production.
- (2) Higher Carbolic Co-efficient than any other similar preparation.
- (3) Non-caustic, non-irritant, under normal conditions and circumstances.
- (4) Unequalled for use in MIDWIFERY, GENERAL SURGERY, and PERSONAL HYGIENE.

**N.B.—Every Medical Man has recently
received Literature on ACROSYL.**

PRICES:

$\frac{1}{2}$ lb.	Size	Retails at	1/-	Wholesale	8/6	per Dozen.
1 lb.	"	"	1/8	"	13/-	" "

Thus yielding a Profit of approximately 30% TO PHARMACISTS.

STOCK HELD BY ALL THE WHOLESALE HOUSES.

THE ACROSYL CO., Sutherland House,
LLOYD'S AVENUE, LONDON, E.C.

STANDARD PRODUCTS
OF
INTERNATIONAL REPUTATION.

Ether
DUNCAN

Chloroform
DUNCAN

Ethyl
Chloride
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MANUFACTURED ONLY BY
DUNCAN, FLOCKHART & CO.,
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ROYAL
INFANTS' PRESERVATIVE

ON P.A.T.A. LIST.

Prices and Terms on application to R. BARKER & SON,
11 Russell Street, C.-on-M., MANCHESTER.

DOES
NOT
CONTAIN
any
SCHEDULED
POISON.

WHOLESALE TRADE ONLY.

Established 1900.

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— Terrington St. John, WISBECH —

For GREEN EXTRACTS and DRIED HERBS
of BELLADONNA, HENBANE, &c.

You *could* sell nearly every customer a jar of Resinol.

Try it to-morrow, and note the pleasant increase in the day's sales. Instruct your assistants to ask each customer if he has ever tried Resinol, and then to explain how it is a soothing, healing, antiseptic ointment, not only for Eczema, Pimples, and other skin troubles, but *invaluable* in every household for those constantly occurring rashes, chafings, cuts, bruises, burns, and a score of other uses. It takes the pain out at once, and stops itching instantly. With every sale of Resinol Ointment for *any skin trouble* you should also sell a cake of *Resinol Soap*. The patient should bathe the affected surface with Resinol Soap and hot water before applying Resinol Ointment.

**SEND FOR A MINIATURE
RESINOL SHAVING STICK**

It's free. We want you to learn how this rich, creamy lather soothes and heals the face. When you have tried it you will WANT to recommend it to every man who comes into your shop.

Resinol Chemical Company,

97 New Oxford Street, London, W.C.,
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QUICKEST SALES
BEECHAM'S PILLS

May now be had in **£5** Lots, at Lowest
Prices, Carriage Paid. Packages Free.

ORDERS must be accompanied by Cash. Cheques to be made payable to Thomas Beecham, and crossed "Parr's Bank, Limited, St. Helens."

PRICES.—Beecham's Pills, 13½d. size (56 pills) 9/6
 „ 2s. 9d. „ (168 „) 25/-

ADVERTISING MATTER to suit Retailers' requirements will be sent on application.

Address—**THOMAS BEECHAM, ST. HELENS, LANCASHIRE.**

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BLANDFIELD WORKS, EDINBURGH : 22 CITY ROAD, LONDON, E.C. : 37 WASHINGTON STREET, GLASGOW.

METHYLATED SPIRITBuy from one of the Oldest Houses in the Trade.
Write for Prices. **ESTABLISHED 1794.****SAMUEL THORNLEY, LTD., BIRMINGHAM**Telegrams :
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ALFRED WHITE & SONS,

Established 1775.

Manufacturing & Export Chemists.

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Made from Duty Paid and Methylated Spirits.

Offices and Warehouse :
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CHEMICAL WORKS,
WEST DRAYTON, MIDDX.

PRICES ISSUED WEEKLY.

Original Packages can generally be supplied at the Current Prices quoted in the Trade Report of this Paper on Terms as below.

A. cet. Ipecac. B.P., 7 lbs. @ 1/5 lb.
 " Scilla, P.B., 7 lbs. @ 3d. lb.
 Acid Boric Pulv., 3 cwt. @ 33/- cwt.; 1 cwt. @ 33/6 cwt.; levigd. 3/- cwt. or 3d. lb. extra.
 Ammon. Carb., lump, 3 cwt. @ 4d. lb.; 28 lbs. @ 5½d. lb.; 7 lbs. @ 5½d. lb.; powder, 3d. lb. extra.
 *Aqua Anethi Conc. 1-40, 1 lb. @ 2/11 lb.
 " Anisi Conc. 1-40, 1 lb. @ 3/1 lb.
 " Aurant. Conc. 1-40, 1 lb. @ 6/1 lb.
 " Aurant. Trip., 53 lbs. for 17/6; 6 lbs. @ 7d. lb.
 " Cinnam. Conc. 1-40, 1 lb. @ 3/4 lb.
 " Laurocerasi, 53 lbs. for 20/-; 6 lbs. @ 7d. lb.
 " Menth. Pip. Conc. 1-40, 1 lb. @ 3/- lb.
 " Rosæ Trip., 53 lbs. for 22/6; 6 lbs. @ 7d. lb.
 " Rosæ Conc., 1-40, 1 lb. @ 7/- lb.
 " Samb. Trip. 53 lbs. for 23/6; 6 lbs. @ 8d. lb.

D. ec. Aloes Co. Conc. 1-2, 6 lbs. @ 2/9 lb.;
 Sinecroco, 6 lbs. @ 1/2 lb.
 " Cinchonæ (Rubræ) Conc. 1-7, 6 lbs. @ 1/10
 " Senegæ Conc., 6 lbs. @ 2/8 lb.

Emp. Spread, 12 yards × 16 ins. adhesive, 3/8;
 Ballad. B.P.C., Green @ 16/6; Cerat.
 Saponis @ 7/6; Picis Co. @ 7/6; Plumbi
 " @ 6/-; Resin @ 4/6; Roborans @ 6/-;
 Saponis, B.P. @ 6/-

Emp. Picis, P.B., 7 lbs. @ 8½d. lb.
 " Plumbi P.B., 7 lbs. @ 8½d. lb.
 " Resinæ, P.B., 7 lbs. @ 8½d. lb.
 " Roborans, P.B., 7 lbs. @ 8½d. lb.
 Emulsio Ol. Morrhuæ, 5 lbs. @ 11d. lb.
 *Ess. Pear (artificial), Jargonelle, 5 lbs. @ 2/- lb.; Bergamot, 2/6 lb.
 *Ess. Pineapple, 5 lbs. @ 3/4 lb.
 " Raspberry, 5 lbs. @ 2/2 lb.; 1 lb. @ 2/6
 " Vanilla Beans, 5 lb. @ 4/4 lb.; 1 lb. @ 4/7 lb.

*Ext. Belladonnæ Liq., B.P., 5 lbs. @ 4/3 lb.;
 1 lb. @ 4/8 lb.; solid, 7 lbs. @ 4/3 lb.
 Ext. Cascara Sag. Liq., B.P., 1 cwt. @ 1/0½ lb.;
 10 lbs. @ 1/2 lb.
 *Ext. Glycyrrh. Liq., B.P., 6 lbs. @ 1/7½ lb.
 *Ext. Hamamelis Liq., P.B., 5 lbs. @ 3/5 lb.
 Ext. Hyoscyam., Solid, B.P., 3 lbs. @ 4/9 lb.;
 1 lb. @ 5/1 lb.
 *Ext. Ipecac. Liq., P.B., 5 lbs. @ 14/- lb.; 1 lb. @ 15/- lb.

Ext. Malti c. Ol. Jecoris, 10 lbs. @ 5½d. lb.
 *Ext. Nucis Vom. Liq., P.B., 5 lbs. @ 3/5 lb.;
 1 lb. @ 3/8 lb.; solid, 5 lbs. @ 3/7 lb.; 1 lb. @ 3/10 lb.
 Ext. Quassia, Solid, 7 lbs. @ 6/- lb.; 1 lb. @ 6/4 lb.
 Ext. Sarsæ Co. Solid, 7 lbs. @ 4/9 lb.; 1 lb. @ 5/3 lb.

*Glycerin. Acid. Boric, P.B., 6 lbs. @ 1/6 lb.
 " Acid. Carbolic. P.B., 6 lbs. @ 1/6 lb.
 " Acid. Tannic. P.B., 6 lbs. @ 1/6 lb.
 " Belladon. B.P.C., 6 lbs. @ 2/11 lb.;
 1 lb. @ 3/2 lb.
 *Glycerin. Boracis, P.B., 6 lbs. @ 1/3 lb.
 " Pepsin. Acid, P.B., 1 lb. @ 3/1 lb.
 " Plumbi Subacet. P.B., 6 lbs. @ 1/7 lb.

*Heading (Frothing Ess.), 5 lbs. @ 1/1 lb.

Inf. Aurant. Conc., 1 to 7, 6 lbs. @ 1/3 lb.
 " Aurant. Comp. Conc., 1 to 7, 6 lbs. @ 1/3 lb.
 " Buchu Conc., 1 to 7, 6 lbs. @ 2/2 lb.
 " Calumbæ Conc., 1 to 7, 6 lbs. @ 11d. lb.
 " Caryoph. Conc., 1 to 7, 6 lbs. @ 1/- lb.
 " Cascarilla Conc., 1 to 7, 6 lbs. @ 1/4 lb.
 " Cinchonæ Acid, 1 to 7, 6 lbs. @ 1/7 lb.
 " Gentianæ Co., 1 to 7, 6 lbs. @ 1/1 lb.
 " Quassia Conc., 1 to 7, 6 lbs. @ 9d. lb.
 " Rhci Conc., 1 to 7, 6 lbs. @ 1/6 lb.
 " Rosæ Acid. Conc., 1 to 7, 6 lbs. @ 1/8 lb.
 " Senegæ Conc., 1 to 7, 6 lbs. @ 2/6 lb.
 " Valerian Conc., 1 to 7, 6 lbs. @ 1/3 lb.

Lin. Aconiti Meth., 5 lbs. @ 1/2 lb.; 1 lb. @ 1/5 lb.
 " Bellad. Meth., 5 lbs. @ 1/9 lb.; 1 lb. @ 2/- lb.
 " Camph. P.B., 40 lbs. @ 1/2 lb.; 9 lbs. @ 1/3 lb.
 " Sapo Meth., 9 lbs. @ 7d. lb.
 " Tereb. Acet., B.P., 5 lbs. @ 1/- lb.
 *Liq. Ammonii Acetatis Conc. 1-7, 6 lbs. @ 8d. lb.; 1 lb. @ 1/- lb.
 " Ammon. Aromat., 6 lbs. @ 9d. lb.
 " Antim. Chlor. Pure, 8 lbs. @ 6½d. lb.
 " Arsenicalis, B.P., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.
 " Arsenii Hydrochlor., P.B., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.
 " Bismuth, P.B., 6 lbs. @ 1/3 lb.
 " Copaiba Buchu et Cubeb, 5 lbs. @ 2/8 lb.; 1 lb. @ 3/- lb.
 " Easton, p.s. 1-3, B.P., 1 lb. @ 3/- lb.
 " Ferri Dialysatus, 6 lbs. @ 7d. lb.
 " Ferri Iod. p.s., 1-7, 1 lb. @ 7/6 lb.
 " Ferri Perchlor. Fort., P.B., 7 lbs. @ 4d. lb.
 " Ferri Phosph. Co. p.s., 1-7, 7 lbs. @ 1/6 lb.
 " Hypophosph. Co., p.s., B.P.C., 1 lb. @ 3/4 lb.
 " Iodi Fort, B.P., 5 lbs. @ 5/8 lb.
 " Morphinae Acet. or Hydrochlor., P.B., 6 lbs. @ 2/9 lb.
 " Opii Sed., 5 lbs. @ 4/6 lb.

We have pleasure to quote herewith our current prices, and will endeavour to adhere to same as far as possible; it is impossible, at the moment, to quote any definite prices for Chemicals owing to the disorganised state of the markets, but we are supplying our regular customers with their requirements as far as we can.

*Liq. Plumbi Subacet., P.B., 7 lbs. @ 3½d. lb.
 " Pruni Virg. p.s. 1-7, 5 lbs. @ 2/2 lb.
 " Rheados pro Syr., 1 to 7, 5 lbs. @ 1/11 lb.
 " Rhei p.s. 1-7, 6 lbs. @ 2/2 lb.
 " Santali Co., 1 lb. @ 4/- lb.
 " Sennæ Dulc. 6 lbs. @ 1/4 lb.
 " Sennæ pro Syr. 1-7, 6 lbs. @ 2/- lb.
 " Strychninae Hyd. P.B., 6 lbs. @ 1/6 lb.
 " Tolut. pro Syr. 1-7, 6 lbs. @ 1/8 lb.
 " Trinitrini, B.P., 1 lb. @ 6/1 lb.

Oxymel Scillæ, B.P., 5 cwt. @ 34/6 cwt.; 1 cwt. @ 36/6 cwt.; *7 lbs. @ 7d. lb.

Pulv. Cretæ Arom. P.B., 14 lbs. @ 7d. lb.;
 c. Opio, B.P., 7 lbs. @ 1/9 lb.
 Pulv. Glycyrrh. Co. B.P. (Green), English Ground, 56 lbs. @ 50/- cwt.

Pulv. Ipecac. Comp. P.B., 1 lb. @ 4/- lb.
 " Jalap Comp. P.B., 1 lb. @ 1/6 lb.
 " Rhei Comp. P.B., 1 lb. @ 1/2 lb.

*Spt. Æther Nit. P.B., 4½ lbs. @ 3/7½ lb.; 1 lb. @ 3/10½ lb.
 " Ammon. Aromat., P.B., 5 lbs. @ 2/10 lb.
 " Chloroform, P.B., 5 lbs. @ 3/7 lb.

*Syr. Aurant. P.B., 7 lbs. @ 10½d. lb.
 " Easton, B.P., 7 lbs. @ 1/2 lb.
 " Ferri Iodid. P.B., 7 lbs. @ 1/6 lb.
 " Ferri Phosph. Co., 7 lbs. @ 6½d. lb.
 " Hypophosph. Co. B.P.C., 7 lbs. @ 10½d. lb.
 " Pruni Virg. B.P., 8 lbs. @ 8½d. lb.
 " Rhamni, 7 lbs. @ 11d. lb.
 " Rhei, P.B., 7 lbs. @ 9d. lb.
 " Scillæ, P.B., 7 lbs. @ 6d. lb.
 " Sennæ, P.B., 7 lbs. @ 9½d. lb.
 " Tolut., P.B., 7 lbs. @ 8½d. lb.

Tinct. Aurantii Recens., B.P., 5 lbs. @ 3/6 lb.; bond, 8½d. Aquos, 10d. lb.

*Tinct. Belladon., B.P., 5 lbs. @ 3/3 lb.; bond, 6½d. Aquos, 1/2 lb.

*Tinct. Benzoini Comp., P.B., 5 lbs. @ 3/6 lb.; bond, 10d.

*Tinct. Camph. Comp. P.B., 5 lbs. @ 2/5 lb.; bond, 6½d. Aquos, 1/1 lb.

*Tinct. Cantharidis, P.B., 5 lbs. @ 3/9 lb.; bond, 6d. lb.

*Tinct. Capsici, B.P., 5 lbs. @ 3/3 lb.; bond, 6d. lb. Aquos, 10d. lb.

*Tinct. Card. Comp., P.B., 5 lbs. @ 2/8 lb.; bond, 7½d. lb. Aquos, 1/- lb.

*Tinct. Catechu, P.B., 5 lbs. @ 2/8 lb.; bond, 7½d. lb. Aquos, 1/- lb.

*Tinct. Chlorof. c. Morph., B.P. 1885, 5 lbs. @ 2/- lb.; bond, 1/6½ lb.

*Tinct. Cinchon. Comp., B.P., 5 lbs. @ 3/5 lb.; bond, 1/0½ lb. Aquos, 1/4 lb.

*Tinct. Cinchon. Rub., P.B., 5 lbs. @ 3/- lb.; bond, 10d. lb. Aquos, 1/2 lb.

*Tinct. Digitalis, B.P., 5 lbs. @ 2/8 lb.; bond, 6½d. lb. Aquos, 1/- lb.

*Tinct. Gelsem. P.B., 5 lbs. @ 2/10 lb.; bond, 6½d. lb. Aquos, 1/3 lb.

*Tinct. Gentianæ Comp., B.P., 5 lbs. @ 1/11½ lb.; bond, 7½d. lb. Aquos, 1/- lb.

*Tinct. Hyoscyami, B.P., 5 lbs. @ 2/5 lb.; bond, 7½d. lb. Aquos, 1/5 lb.

*Tinct. Iodi. B.P., 5 lbs. @ 4/5 lb.; bond, 1/9 lb.; decolor., 5 lbs. @ 4/9 lb.; bond, 1/5½.

*Tinct. Lavandulæ Comp., B.P., 5 lbs. @ 3/10 lb.; bond, 7½d. lb. Aquos, 1/- lb.

*Tinct. Myrrhæ, B.P., 5 lbs. @ 3/9 lb.; bond, 9½d. lb.

*Tinct. Nucis Vom., B.P., 5 lbs. @ 2/11 lb.; bond, 6d. lb. Aquos, 1/3 lb.

*Tinct. Opii, B.P., 5 lbs. @ 3/8 lb.; bond, 2/9 lb.

*Tinct. Opii Aquos., 5 lbs. @ 2/8 lb.

*Tinct. Quininae Amm., B.P., 5 lbs. @ 2/10 lb.; bond, 1/0½ lb.

*Tinct. Rhei Co., B.P., 5 lbs. @ 2/6 lb.; bond, 10d. lb. Aquos, 1/- lb.

*Tinct. Scillæ, B.P., 5 lbs. @ 2/6 lb.; bond, 7½d. Aquos, 10d. lb.

*Tinct. Senegæ, P.B., 5 lbs. @ 3/3 lb.; bond, 1/5½ lb. Aquos, 1/5½ lb.

*Tinct. Strophanth., P.B., 5 lbs. @ 3/5 lb.; bond, 8½d. lb.

*Tinct. Valerianæ, 5 lbs. @ 2/8 lb.; bond, 6d. lb. Aquos, 1/- lb.

*Tinct. Valerianæ Ammon., P.B., 5 lbs. @ 3/1 lb.; bond, 8½d. lb. Aquos, 1/2 lb.

*Tinct. Zingib., P.B. 5 lbs. @ 4/- lb.; bond, 6½d. lb.

*Tinct. Zingib. Fortior., 5 lbs. @ 4/3 lb.; bond, 10½d. lb.

Ung. Acid. Boric, P.B., 28 lbs. @ 7d. lb.; Flav. 28 lbs. @ 5½d. lb.

" Acid. Carbolic, B.P., 28 lbs. @ 9d. lb.; 7 lbs. @ 10d. lb.; 1 lb. @ 1/- lb.

" Gallæ, P.B., 7 lbs. @ 1/- lb.; 1 lb. @ 1/2 lb.; c. Opio, 7 lbs. @ 2/10 lb.

" Hydrarg. Ammon., B.P., 28 lbs. @ 11d. lb.; 7 lbs. @ 1/2 lb.

" Hyd. Nit. Dil., 7 lbs. @ 10d. lb.

" Paraff. Alb., P.B., 28 lbs. @ 8d. lb.; 7 lbs. @ 9d. lb.; 1 lb. @ 11d. lb.; Flav. 28 lbs. @ 6d. lb.; 7 lbs. @ 7d. lb.

" Resinæ, P.B., 28 lbs. @ 11d. lb.; 7 lbs. @ 1/- lb.

" Sulphuris, B.P., 28 lbs. @ 9d. lb.; 7 lbs. @ 10d. lb.

" Zinc Oxid. Benz., B.P., 28 lbs. @ 9½d. lb.

*Minimum quantity at these prices; Home Trade, 8 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted.
 NOTE.—Only terms Net Cash with order without discount, or orders accepted through London Merchants or Bankers.

Goods carriage forward; all packages free; Export cases extra.

ALLIANCE DRUG & CHEMICAL CO., LONDON.

Offices: 34 LEADENHALL STREET.

KINDLY DETACH THIS SHEET AND PLACE IT IN YOUR BUYING BOOK.

CLINICAL THERMOMETERS.

Best English Make Guaranteed.



REDUCTION IN PRICES.



THE "EMPIRE" BRAND (ORDINARY STYLE).

	per doz.	s.	d.
Hospital pattern	8	0
" lens front	12	0
60-seconds, plain	10	0
" lens front	14	0
30-seconds, plain	12	0
" lens front	16	0

Certificate of accuracy verified by Kew Observatory for any of above Thermometers

THE "DUO IN UNO" PATENT (QUICK SHAKE DOWN).

	per doz.	s.	d.
Hospital pattern	12	0
" lens front	16	0
60-seconds, plain	15	0
" lens front	20	0
30-seconds, plain	18	0
" lens front	27	0

Each Thermometer is in a metal case, and packed in a specially designed card box with descriptive label on lid. Customers' names engraved on the Thermometers free of charge. We accept all risk of breakage in transit if advised by return of post.

A glass-topped Showcase given FREE with orders for three dozen Thermometers.
5% discount allowed for prompt cash off above prices. Carriage paid on orders of £2 and upwards.

We are the right house for Bandages, Catheters, Enemas, Elastic Hosiery, Hot Water Bottles, Ice Bags, Injection Syringes, Pessaries, Sponge Bags, Splints, Trusses, Water Beds, Water and Air Cushions, Waterproof Sheeting, and every description of Rubber Goods.

OUR GOODS ARE RIGHT. MONEY BACK IF NOT SATISFIED.

PRICE LIST containing reduced prices for Enemas, Rubber Sponges, Rubber Air Cushions, etc. etc., post free.

BURGE, WARREN & RIDGLEY, Ltd.,

91 & 92 GREAT SAFFRON HILL, LONDON, E.C.

SMITH'S POTASSIUM COMPOUND.



The only modern up-to-date
remedy for

RHEUMATISM & GOUT

(In tablet form, packed in screw-capped vials).

Two sizes { 40 Tablets, retail 1/11
 100 " " " 2/9

**RETAILER'S PROFIT 40%
ON COST.**

From all Wholesalers, or direct from—
THE LONDON PROPRIETARY CO.
3 St. Andrew's Street, London, E.C.

SEMREH

An absolutely airtight, strong and most elegant
capping which fixes itself without string,
indiarubber bands, or adhesive.

SELF-FIXING BOTTLE CAPS

They are *not* a simple plated paper ornament
but the most elegant capping in the world; they
are the strongest as also a perfect airtight
closure. Semreh Bottle Caps are thus

The BEST and CHEAPEST

THE VISCOSÉ
DEVELOPMENT
CO. - Ltd.
Pembroke Road,
BROMLEY, KENT

Will send
details on
application.

PACOLOL

(MANUFACTURED IN GREAT BRITAIN)

is the Most Powerful Germicide of the
LIQUOR CRESOLI SAPONATUS GROUP

**Carbolic Co-efficient on
B. Typhosus - - - 3'18**

40% higher than the best of the
GERMAN FLUIDS.

FORMS A CLEAR SOLUTION IN AQUA DEST.

**Patent Poison Bottle, with Sprinkler Top, flat on
one side, handy for the pocket or bag, 6d. each.**

Pamphlet and Price List on application to—

**PEARSON'S ANTISEPTIC COMPANY
LIMITED,**

15 ELM STREET, LONDON, W.C.
WORKS - - WILLIAM PEARSON, LTD., Hull.

IMPORTANT ANNOUNCEMENT. In view of the much increased cost of Glassware, we feel sure our friends will be glad to know we are in a position to supply the "Eversafe" Feeders immediately and at favourable prices.

**"EVERSAFE"
FEEDER**
(Patent).



PRICES : 36/- per gross in divisioned outers of one dozen and 45/- gross each in a good style Carton.

IMPORTANT POINTS.

The "Eversafe" is constructed on novel and hygienic lines, simple and practical, three pieces constituting a Perfect Feeder.

The bottle is handy in shape and size, free from sharp corners or recesses likely to harbour food deposit. The wide neck renders filling and cleaning easy. Teat is "eversafe," the cap securing it so that it cannot be pulled off by baby and spoil frocks, food and temper. No trouble in fixing the teat.

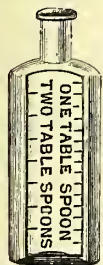
Every part of the "Eversafe" Feeder is sterilisable, pure neutral aluminium has replaced bone and other porous animal or vegetable substitutes.

Adapted to take any large slip-on Teat.

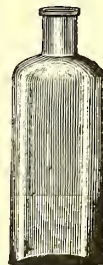
We respectfully urge the importance of placing early orders.

F. SCHUTZE & CO., Ltd., Black Bull Works, CALEDONIAN MARKET, LONDON, N.

DISPENSING BOTTLES, &c.



We are now offering above of first-rate quality,
:: in original packages, at very low prices. ::
SAMPLES & PRICES WILL BE SENT ON APPLICATION.



E. YOULDON, LTD.
Treby Street, Maplin Street, MILE END, LONDON, E.
ESTABLISHED 1840. Telegrams: "Youldon London." Telephone: East 132.

HANNAH'S REMEDIES

Chemists are hereby respectfully reminded that the 26th day of October has been fixed as the last day for receiving applications for Shares or Suggestions in the matter of the formation of a Limited Liability Company for the preparation and sale of Hannah's Remedies.

Correspondence to be addressed to "Director," c/o "The Chemist and Druggist," 42 Cannon St., E.C., or to Thomas Hannah, Amersfoort, Transvaal.

Corks for Chemists

NATIONAL INSURANCE CORKS.

6 & 8 oz., 1 in. long, at 4½d. per gross.
30 gross bag post free for 11/-

Free sample sent on application.

N. W. MITCHELL & SONS, Ltd.,
"Bouchon" Works,
Limehouse, London, E.



NITSCHKE & GUNTHER OPTICAL CO. LTD.



"MENISKEN" LENSES

UNDOUBTEDLY ONE OF THE BEST FORMS OF SPECTACLE LENSES IS THE "MENISKEN."

IT IS A DEEP-BASE-CURVE LENS MADE OF BEST QUALITY HARD CROWN GLASS, TAKING A HIGH POLISH.

ONE FEATURE IS THAT IN THE UNEDGED LENSES WE MANUFACTURE THEM ONLY IN EXTRA LARGE SIZES, VIZ. 45 M/M IN DIAMETER. THIS IS HOW WE AVOID THE UNSATISFACTORY DECENTRATION TO BE MET WITH IN MANY OTHER DEEP-BASE-CURVE LENSES. THIS UNUSUALLY LARGE SIZE ALLOWS OF BEING SURE THAT THE OPTICAL CENTRE COINCIDES WITH THE GEOMETRICAL CENTRE WHEN THE LENS IS EDGED. THIS ALSO GIVES PURPOSED DECENTRATION IF PRISMIC DEVIATION IS REQUIRED.

ALL OUR "MENISKEN" EDGED LENSES ARE CAREFULLY CENTRED, AND ALL THE UNEDGED LENSES HAVE THE OPTICAL CENTRE ACCURATELY MARKED.

THE SPECIAL RATIO OF CURVES GIVEN BY US TO THIS SERIES OF LENSES IS SUCH THAT PRISMATIC DISTORTION AND MARGINAL ASTIGMATISM ARE ALMOST ENTIRELY AVOIDED. AT THE SAME TIME, WE ARE ABLE TO GIVE SIMILARITY IN APPEARANCE OF CONTOUR IN THE CASE OF UNEQUAL FOCI IN RIGHT AND LEFT EYES.

WE HOLD LARGE STOCKS FOR IMMEDIATE DELIVERY IN EITHER SPHERICAL OR CYLINDRICAL COMBINATIONS.



66, HATTON GARDEN, LONDON, E.C.



PAYS THREE WAYS



1. 100 % GUARANTEED PROFIT.

Eucryl is on the P.A.T.A. list. There's no risk—no price cutting. Your profit is a dead certainty—and it's *100 % every time—all the time.*

2. REPEAT ORDERS.

Eucryl assures the "once used always used" habit. Its quality is so good that it allows you the 100 % profit and *yet* satisfies those who use it—bringing them back for more.

3. NEW CUSTOMERS.

Eucryl sales have a cumulative effect—every user is a salesman and recommends it to relatives, friends and acquaintances. Eucryl doesn't need pushing—it sells itself.

Accept this BONUS OFFER

Send an opening order for three dozen and we will include one dozen 6d. tins extra and free of charge. (This offer of one dozen 6d. tins free also applies to all repeat orders of six dozen at 3/6 per dozen, net, carriage paid.) Free samples, showcards, advertising matter—Selling Helps—supplied with every order for "The Dentifrice paying 100 % Profit !"

EUCRYL, LIMITED, 61/63 Lant Street,
Southwark, London, S.E.



EUCRYL TOOTH POWDER

THE MAP OF EUROPE

is undergoing ALTERATIONS



ALL'S WELL!—The British Fleet is supervising these ALTERATIONS!

**OUR BUSINESS POLICY
IS NOT BEING ALTERED**

EVERYTHING OF THE BEST AND AT THE LOWEST LIVING MARGIN OF PROFIT.

The only advance in prices are those necessitated by our having to buy at high prices in the open market German products such as Acetyl-Salicylic Acid, Phenacetin, Antipyrin, &c., through cancellation of contracts, and the higher prices Ruling for Bottles and Sugar.

**BUSINESS AS USUAL
DURING ALTERATIONS**

The Standard Tablet & Pill Co.
HOVE, ENG. LIMITED